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FACILITY Pratt & Whitney
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UNIT-SPECIFIC TECHNICAL MEMORANDA

VOLUME III

**SUMMARY
SITE INVESTIGATION AND REMEDIATION REPORT
AIRPORT/KLONDIKE AREA
AT
PRATT & WHITNEY
EAST HARTFORD, CONNECTICUT
EPA ID No. CTD990672081**

Prepared for:

**PRATT & WHITNEY
A UNITED TECHNOLOGIES COMPANY
400 Main Street
East Hartford, Connecticut 06108**

Prepared by:

**LOUREIRO ENGINEERING ASSOCIATES, P.C.
100 Northwest Drive
Plainville, Connecticut 06062**

LEA Comm. No. 68V8124

LOUREIRO ENGINEERING ASSOCIATES, INC.



June 16, 1998

US Environmental Protection Agency
JFK Federal Building (HBT)
90 Canal Street
Boston, MA 02203-2211

Attn.: Juan Perez

RE: Summary Investigation and Remediation Report - Airport/Klondike Area
Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 68V8124

Dear Mr. Perez:

Attached please find six copies of additional information for the above-mentioned report for the Airport/Klondike Area at the Pratt & Whitney facility located at 400 Main Street in East Hartford, Connecticut. The information provided in this package includes the following:

- X-307 Septic System (New)

The information identified as "New" has not been previously submitted for review.

If you have any questions or comments concerning the attached information please contact me at 860-747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES


Thomas J. Salimeno, P.E.
Project Manager

Attachments

pc: V. Riva, Pratt & Whitney

LOUREIRO ENGINEERING ASSOCIATES, INC.



June 22, 1998

US Environmental Protection Agency

JFK Federal Building (HBT)

90 Canal Street

Boston, MA 02203-2211

Attn.: Juan Perez

**RE: Summary Investigation and Remediation Report - Airport/Klondike Area
Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 68V8124**

Dear Mr. Perez:

Attached please find six copies of additional information for the above-mentioned report for the Airport/Klondike Area at the Pratt & Whitney facility located at 400 Main Street in East Hartford, Connecticut. The information provided in this package includes the following:

- Explosives Storage Fill Area (New)
- Linde Septic System (New)

The information identified as "New" has not been previously submitted for review. These two new USTMs should be added to Volume III of the unit-specific technical memoranda binders, in the order that they were sent. In order to preserve a consistent report format, I have included an updated master list of the final USTM order for your reference.

If you have any questions or comments concerning the attached information please contact me at 860-747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES

Tom Bowes
for
Thomas J. Salimeno, P.E.
Project Manager

Attachments

pc: V. Riva, Pratt & Whitney

LOUREIRO ENGINEERING ASSOCIATES, INC.



June 24, 1998

US Environmental Protection Agency
JFK Federal Building (HBT)
90 Canal Street
Boston, MA 02203-2211

Attn.: Juan Perez

RE: Summary Investigation and Remediation Report - Airport/Klondike Area
Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 68V8124

Dear Mr. Perez:

Attached please find six copies of additional information for the above-mentioned report for the Airport/Klondike Area at the Pratt & Whitney facility located at 400 Main Street in East Hartford, Connecticut. The information provided in this package includes the following:

- Former Linde Gas/Chemical Storage Building (New)

The information identified as "New" has not been previously submitted for review. This one new USTM should be added to Volume III of the unit-specific technical memoranda.

If you have any questions or comments concerning the attached information please contact me at 860-747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES



Thomas J. Salimeno, P.E.
Project Manager

Attachments

pc: V. Riva, Pratt & Whitney

TECHNICAL MEMORANDUM 3
GROUNDWATER SAMPLING AND QUALITY

**Klondike and Airport Areas
Pratt & Whitney
East Hartford, Connecticut**

April 06, 1998

Prepared for:

**PRATT & WHITNEY
400 Main Street
East Hartford, Connecticut 06108**

Prepared by:

**LOUREIRO ENGINEERING ASSOCIATES
100 Northwest Drive
Plainville, Connecticut 06062**

LEA Comm. No. 68V8124

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UNIT SPECIFIC TECHNICAL MEMORANDUM: FILL AREA PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

SUB-AREA: Explosives Storage Area

ENVIRONMENTAL UNIT: Fill Area

Location: This unit is located in the North Klondike Area. It is located at the end of the North Access Road (Drawing 1).

Description: This area appears to be a filled area adjacent to wetlands. The reasons for the filling are unknown. The exact dimensions of this area are unavailable.

Dates of Operation: Late 1950s to Present.

Processes: Filling with materials potentially from the Klondike Area.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Three small aerial photographs were also obtained from the Pratt & Whitney (P&W) Photographic Services Department.

All of these aerial photographs confirm there was indeed an area filled in the reported location of fill area. However, no discernable debris or contamination was identifiable on the aerial photographs that depict this unit.

Specific Contaminants of Concern: The specific contaminants of concern are unknown. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc).

Potential Release Mechanism: Impacts to soils and groundwater associated with potential spills, leaks, or materials leaching from the fill.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the fill area, a subsurface investigation to determine the degree and extent of soil contamination was performed in August 1996. Prior to 1996, no investigation of the fill area had reportedly been performed.

August 1996 Investigation (Loureiro Engineering Associates, P.C.):

Description: On August 19, 1996, a test pit, NK-TP-03, was advanced by Loureiro Engineering Associates, P.C. (LEA) with a backhoe into the fill area. The location of the test pit is shown on Drawing 1. The test pit was advanced into the water table, which was encountered at six feet, to

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an ultimate depth of seven feet. A total of six soil samples were collected from the sidewalls, above the water table, and the bottom of the test pit. These activities were conducted by personnel.

All six soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs (benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and xylenes (XYL)). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from the test pit were submitted to Averill Environmental Laboratory, Inc. (AEL) for analysis. The samples from NK-TP-03E and NK-TP-03S were analyzed for the presence of VOCs and metals. TPH and SVOCs were not included because VOCs were used as a indicator for contamination that may be present in the fill area. A summary of the samples collected and analyses performed during this investigation is included in Table 1.

Investigation Results: Based on the test pit log, the fill area consisted of fine to medium sand, with varying amounts of silt. The fill was observed to contain cinder blocks. No visual or olfactory evidence of petroleum was noted in the field paperwork for test pit NK-TP-03.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Concentrations of constituents detected in soil samples are shown on Drawing 1. VOCs were not detected in the soil samples submitted to the LEA Analytical Laboratory or to AEL. One or more of the metals analyzed were detected in each of the two samples submitted for analysis. These metals include barium, chromium, and zinc.

Data Evaluation and Conclusions: The soil data were compared against the default numeric criteria included in the Connecticut Remediation Standard Regulation (RSR) and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Sampling*. Criteria are established in the RSR based on exposure pathways for environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (GBPMC) included in the RSR, as well as the site-wide background soil concentrations.

The concentrations of the metals detected in these samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the RDEC or the IDEC were noted.

Adequate characterization has been performed to address possible releases in the fill area. No further evaluation or remedial activity is warranted for this unit.

REFERENCES:

Fuss & O'Neil, Inc, June 1995, *Soil Sampling Background Areas – North Klondike*, prepared for Pratt & Whitney.

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Keystone Aerial Surveys, Inc. 1965, *Aerial Photo of Rentschler Airport and Surrounding Areas*,
East Hartford, CT.

Keystone Aerial Surveys, Inc. 1970, *Aerial Photo of Rentschler Airport and Surrounding Areas*,
East Hartford, CT.

Keystone Aerial Surveys, Inc. 1975, *Aerial Photo of Rentschler Airport and Surrounding Areas*,
East Hartford, CT.

Loureiro Engineering Associates, August 18, 1995, *Rentschler Airport and Klondike Areas Data
Gap Investigation and Work Plan*, Pratt & Whitney, 400 Main Street, East Hartford, CT.

P&W Photographic Services Department, 1969, *Aerial Photograph, Negative Number Z-36268*,
Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1975, *Aerial Photograph, Negative Number CN-
50747*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, *Aerial Photograph, Negative Number 77445-
0054AB* Pratt & Whitney, East Hartford, CT.

TABLES

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Explosives Storage Area - Fill Area

DRAFT

Page 1 of 1

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 05/26/98

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Table 2 **DRAFT**
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

Page 1 of 1

Notes: 1. Only Detects Shown
2. Printed on 05/26/98



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

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Page 1 of 6

	Location ID	NK-TP-03B	NK-TP-03E	NK-TP-03E	NK-TP-03NE	NK-TP-03NW	NK-TP-03S	NK-TP-03S
Sample ID	1017472	1017477	1017477	1017474	1017473	1017475	1017475	1017475
Sample Date	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996
Sample Time	15:20	15:42	15:42	15:32	15:26	15:35	15:35	15:35
Sample Depth	7.2'	4.0'	4.0'	4.4'	4.3'	4.4'	4.4'	4.4'
Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	AEL	LEA
Lab. Number	96-4093-020	AEL96009460	96-4102-035	96-4095-022	96-4094-021	AEL96009459	96-4096-023	
Constituent	Units							
Date Metals Analyzed	-		09/03/1996				09/03/1996	
Date Organics Analyzed	-	08/22/1996	08/29/1996	08/22/1996	08/22/1996	08/22/1996	08/29/1996	08/22/1996
Arsenic	mg/kg		<1.25				<1.21	
Barium	mg/kg		29.7				18	
Cadmium	mg/kg		<3.76				<3.62	
Chromium	mg/kg		6.64				<6.04	
Lead	mg/kg		<25				<24.2	
Mercury	mg/kg		<0.25				<0.242	
Nickel	mg/kg		<12.5				<12.1	
Selenium	mg/kg		<1.25				<1.21	
Silver	mg/kg		<6.26				<6.04	
Zinc	mg/kg		22				13.9	
Acetone	µg/kg		<35				<42	
Acrolein	µg/kg		<17				<15	
Acrylonitrile	µg/kg		<17				<15	
Benzene	µg/kg		<7.0				<5.8	
Benzene (screening)	µg/kg	<7		<10	<8	<8		<9
Bromobenzene	µg/kg		<7.0				<5.8	
Bromoform	µg/kg		<7.0				<5.8	
Carbon Disulfide	µg/kg		<7.0				<5.8	
Carbon Tetrachloride	µg/kg		<7.0				<5.8	
Chlorobenzene	µg/kg		<7.0				<5.8	
Chlorodibromomethane	µg/kg		<7.0				<5.8	
Chloroethane	µg/kg		<7.0				<5.8	
Chloroethyl Vinyl Ether,2-	µg/kg		<7.0				<5.8	
Chloroform	µg/kg		<7.0				<5.8	
Chlorotoluene,o-	µg/kg		<7.0				<5.8	
Chlorotoluene,p-	µg/kg		<7.0				<5.8	

Notes: 1. Printed on 05/26/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

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Page 2 of 6

	Location ID	NK-TP-03B	NK-TP-03E	NK-TP-03E	NK-TP-03NE	NK-TP-03NW	NK-TP-03S	NK-TP-03S
	Sample ID	1017472	1017477	1017477	1017474	1017473	1017475	1017475
	Sample Date	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996	08/19/1996
	Sample Time	15:20	15:42	15:42	15:32	15:26	15:35	15:35
	Sample Depth	7.2'	4.0'	4.0'	4.4'	4.3'	4.4'	4.4'
	Laboratory	LEA	AEL	LEA	LEA	LEA	AEL	LEA
	Lab. Number	96-4093-020	AEL96009460	96-4102-035	96-4095-022	96-4094-021	AEL96009459	96-4096-023
Constituent	Units							
Dibromomethane	µg/kg		<7.0				<5.8	
Dichlorobenzene, 1,2-	µg/kg		<7.0				<5.8	
Dichlorobenzene, 1,3-	µg/kg		<7.0				<5.8	
Dichlorobenzene, 1,4-	µg/kg		<7.0				<5.8	
Dichlorobromomethane	µg/kg		<7.0				<5.8	
Dichlorodifluoromethane	µg/kg		<7.0				<5.8	
Dichloroethane, 1,1-	µg/kg		<7.0				<5.8	
Dichloroethane, 1,2-	µg/kg		<7.0				<5.8	
Dichloroethylene, 1,1-	µg/kg		<7.0				<5.8	
Dichloroethylene, 1,2-cis-	µg/kg		<7.0				<5.8	
Dichloroethylene, 1,2-trans-	µg/kg		<7.0				<5.8	
Dichloropropane, 1,2-	µg/kg		<7.0				<5.8	
Dichloropropylene, 1,3-cis-	µg/kg		<7.0				<5.8	
Dichloropropylene, 1,3-trans-	µg/kg		<7.0				<5.8	
Ethylbenzene	µg/kg		<7.0				<5.8	
Ethylbenzene (screening)	µg/kg	<14		<21	<16	<18		<20
Hexanone, 2-	µg/kg		<17				<15	
Methyl Bromide	µg/kg		<7.0				<5.8	
Methyl Chloride	µg/kg		<7.0				<5.8	
Methyl Ethyl Ketone	µg/kg		<17				<15	
Methyl-2-pentanone, 4-	µg/kg		<17				<15	
Methyl-tert-butyl Ether	µg/kg		<7.0				<5.8	
Methylene Chloride	µg/kg		<10				<7.3	
Styrene	µg/kg		<7.0				<5.8	
Tetrachloroethane, 1,1,1,2-	µg/kg		<7.0				<5.8	
Tetrachloroethane, 1,1,2,2-	µg/kg		<7.0				<5.8	
Tetrachloroethylene	µg/kg		<7.0				<5.8	
Tetrachloroethylene (screening)	µg/kg	<18		<26	<21	<22		<25

Notes: 1. Printed on 05/26/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

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Page 3 of 6

Notes: 1. Printed on 05/26/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

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	Location ID	NK-TP-03 W							
	Sample ID	1017476							
	Sample Date	08/19/1996							
	Sample Time	15:39							
	Sample Depth	5.1'							
	Laboratory	LEA							
	Lab. Number	96-4079-007							
Constituent	Units								
Date Metals Analyzed	-								
Date Organics Analyzed	-	08/21/1996							
Arsenic	mg/kg								
Barium	mg/kg								
Cadmium	mg/kg								
Chromium	mg/kg								
Lead	mg/kg								
Mercury	mg/kg								
Nickel	mg/kg								
Selenium	mg/kg								
Silver	mg/kg								
Zinc	mg/kg								
Acetone	µg/kg								
Acrolein	µg/kg								
Acrylonitrile	µg/kg								
Benzene	µg/kg								
Benzene (screening)	µg/kg	<6							
Bromobenzene	µg/kg								
Bromoform	µg/kg								
Carbon Disulfide	µg/kg								
Carbon Tetrachloride	µg/kg								
Chlorobenzene	µg/kg								
Chlorodibromomethane	µg/kg								
Chloroethane	µg/kg								
Chloroethyl Vinyl Ether,2-	µg/kg								
Chloroform	µg/kg								
Chlorotoluene,o-	µg/kg								
Chlorotoluene,p-	µg/kg								

Notes: 1. Printed on 05/26/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

DRAFT

Page 5 of 6

	Location ID	NK-TP-03W						
	Sample ID	1017476						
	Sample Date	08/19/1996						
	Sample Time	15:39						
	Sample Depth	5.1'						
	Laboratory	LEA						
	Lab. Number	96-4079-007						
Constituent	Units							
Dibromomethane	µg/kg							
Dichlorobenzene, 1,2-	µg/kg							
Dichlorobenzene, 1,3-	µg/kg							
Dichlorobenzene, 1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane, 1,1-	µg/kg							
Dichloroethane, 1,2-	µg/kg							
Dichloroethylene, 1,1-	µg/kg							
Dichloroethylene, 1,2-cis-	µg/kg							
Dichloroethylene, 1,2-trans-	µg/kg							
Dichloropropane, 1,2-	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<14						
Hexanone, 2-	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl-2-pentanone, 4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Styrene	µg/kg							
Tetrachloroethane, 1,1,1,2-	µg/kg							
Tetrachloroethane, 1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<17						

Notes: 1. Printed on 05/26/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Fill Area

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Page 6 of 6

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DRAWINGS

**US EPA New England
RCRA Document Management System (RDMS)
Image Target Sheet**

RDMS Document ID# 1134

Facility Name: PRATT & WHITNEY (MAIN STREET)

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**Document Title: DRAFT, UNIT-SPECIFIC TECHNICAL
MEMORANDA, SUMMARY SITE INVESTIGATION AND
REMEDIATION REPORT, AIRPORT/KLONDIKE AREA,
VOLUME 3 (TRANSMITTAL LETTERS ARE ATTACHED)**

Date of Document: 04/06/98

Document Type: REPORT

Purpose of Target Sheet:

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Comments:

**SOIL INVESTIGATIONS EXPLOSIVE STORAGE AREA
FILL AREA LOCATION & CONSTITUENTS DETECTED
MAP**

TECHNICAL MEMORANDUM 3
GROUNDWATER SAMPLING AND QUALITY

**Klondike and Airport Areas
Pratt & Whitney
East Hartford, Connecticut**

April 06, 1998

Prepared for:

**PRATT & WHITNEY
400 Main Street
East Hartford, Connecticut 06108**

Prepared by:

**LOUREIRO ENGINEERING ASSOCIATES
100 Northwest Drive
Plainville, Connecticut 06062**

LEA Comm. No. 68V8124

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Table 4	Summary of QA/QC Sampling and Analyses, Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut
Table 5	Exceedances of the Surface Water Protection Criteria for Substances in Groundwater, Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut
Table 6	Exceedances of the Residential Volatilization Criteria for Groundwater, Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

DRAWINGS

Drawing 1 Groundwater Sampling Location Map

ATTACHMENTS

- A Analytical Results - November 1997 Groundwater Sampling Event
- B Analytical Results - QA/QC Equipment Blank and Trip Blank Samples, November 1997
Groundwater Sampling Event

LIST OF ACRONYMS

ACT	Acetone
AEL	Averill Environmental Laboratory, Inc.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
BZ	Benzene
CDCE	cis-1,2-Dichloroethylene
CFM	Chloroform
CTC	Carbon Tetrachloride
11DCA	1,1-Dichloroethane
12DCA	1,2-Dichloroethane
11DCE	1,1-Dichloroethylene
DDM	Dichlorodifluoromethane
DEP	Connecticut Department of Environmental Protection
DPH	Connecticut Department of Public Health
EBZ	Ethylbenzene
GWPC	Groundwater Protection Criteria
ICVC	Industrial/Commercial Volatilization Criteria
LEA	Loureiro Engineering Associates, P.C.
MTBE	Methyl- <i>t</i> -Butyl Ether
PCE	Tetrachloroethylene (Perchloroethylene)
QA/QC	Quality Assurance/Quality Control
QES	Quanterra Environmental Services, Inc.
RCSA	Regulations of Connecticut State Agencies
RSR	Remediation Standard Regulation
SOP	Standard Operating Procedure
SWPC	Surface Water Protection Criteria
TCA	1,1,1-Trichloroethane
TCE	Trichloroethylene
TL	Toluene
TPH	Total Petroleum hydrocarbons
VC	Vinyl Chloride
VOCs	Volatile Organic Compounds
XYL	Xylenes (total)

1. INTRODUCTION

1.1 Purpose and Objective

This Technical Memorandum presents the methodology and analytical results of groundwater sampling conducted in the Klondike and Airport Areas of the Pratt & Whitney facility in East Hartford, Connecticut. For clarity, the North Airport and North Klondike areas have been discussed separately from the South Airport and South Klondike areas. Groundwater sampling has been conducted in the Airport and Klondike areas since approximately 1990. Groundwater from monitoring wells was most recently sampled in November 1997 as part of the site characterization to evaluate impacts on groundwater quality by releases from the various environmental units located in the South Klondike and South Airport Areas. Groundwater samples have also been collected in conjunction with soil boring installation via Geoprobe® screen point sampling during the course of the environmental investigations in the Airport and Klondike areas.

This Technical Memorandum presents the results of the most recent groundwater sampling event for the on-site monitoring wells and the results of Geoprobe® screen-point sampling for groundwater collected from soil boring locations. In general the most recent groundwater quality data for a specific location have been used to evaluate the overall groundwater quality.

1.2 Background

Previous site investigations performed from 1990 through 1993 resulted in the installation and sampling of groundwater monitoring wells and temporary well-points. In the South Airport Area, wells SA-MW-01 and SA-MW-02I were installed in February 1990 during the Preliminary Reconnaissance Survey of the Klondike Area. Wells SA-MW-03 through SA-MW-05S and SA-MW-05I were installed in October 1991 during the Site-Wide Environmental Monitoring Program. In the South Klondike Area, wells SK-MW-01 through SK-MW-08S and SK-MW-8D were installed in February 1990 during the Preliminary Reconnaissance Survey of the Klondike Area. Wells SK-MW-09 through SK-MW-13 were installed in October 1991 during the Site-Wide Environmental Monitoring Program. Wells SK-MW-14I, SK-MW-15I, and SK-MW-16 were installed in about April 1993 during the Klondike Area Site Investigation. Six additional monitoring wells (SK-MW-18 through SK-MW-24) were installed in August 1996 as part of the current investigation activities.

In the North Airport Area, wells NA-MW-01 through NA-MW-04 were installed in October 1991 during the Site-Wide Environmental Monitoring Program, and were sampled in November 1991 and June 1992. In the North Klondike Area, wells NK-MW-01 through NK-MW-05 were installed in February 1990 during the Preliminary Reconnaissance Survey of the Klondike Area. These wells were sampled in September and November 1990; February, May, and November 1991; and June 1992. Wells NK-MW-06 and NK-MW-07 were installed in October 1991 during the Site-Wide Environmental Monitoring Program. These wells were sampled in November 1991 and June 1992. Wells NK-MW-08 through NK-MW-10 were installed in October 1992 during the Environmental Assessment of the Former PCB Storage Building. These wells were sampled in October 1992. Wells NK-MW-12 through NK-MW-17 were installed in about April 1993 during the Klondike Area Site Investigation. These wells were sampled in May 1993. Two additional monitoring wells (NK-MW-18 and NK-MW-19) were installed in July 1996 as part of the current investigation activities.

In the North Airport Area, piezometers NA-PZ-01 through NA-PZ-12 were installed in November 1991 during the Site-Wide Environmental Monitoring Program. In the North Klondike Area, temporary Geoprobe® well-points NK-GP-01 through NK-GP-23 were installed in about April or May 1993 during the Klondike Area Site Investigation. Although these piezometers were apparently installed in early 1993 (possible March or April), the exact date these well-points were sampled was not available, but they were assigned a date of January 1, 1993 in the LEA database. Geoprobe® screen-point groundwater samples were collected as part of the current initial investigation of various environmental units.

In the South Airport Area, piezometers SA-PZ-01 and SA-PZ-02 were installed in November 1991 during the Site-Wide Environmental Monitoring Program, and were sampled in March 1996. In the South Klondike Area, temporary Geoprobe® well-points SK-GP-01 through SK-GP-68 were installed in April and May 1993 during the Klondike Area Site Investigation, and were sampled between April and June 1993. Geoprobe® screen-point groundwater samples were collected as part of the current initial investigation of various environmental units.

In the South Airport and South Klondike areas, groundwater was sampled from the monitoring wells most recently in November 1997. Geoprobe® screen-point groundwater samples were collected as recently as September 1997. The locations of the monitoring wells and Geoprobe® screen-point sampling locations are shown on Drawing 1. A summary of the samples collected and analyses performed in the Airport and Klondike Areas is presented in Table 1.

In the North Airport and North Klondike areas, groundwater was sampled from the monitoring

wells most recently in November 1997. Piezometers NA-PZ-02 through NA-PZ-11 were sampled in March 1996. Geoprobe® screen-point groundwater samples were collected as recently as August 1997. A summary of the groundwater samples collected and analyses performed is presented in Table 1.

In addition to the more recent groundwater sampling events, one or more of the wells were sampled in March, September, and November 1990; February, May, and November 1991; June 1992; May and June 1993; March 1996; August and September 1996; and, February and November 1997, as indicated in Table 1.

1.3 Scope

A large volume of current and historical groundwater data exist for the Airport and Klondike areas of the Pratt & Whitney facility due to the numerous environmental investigations conducted. However, in most cases these data represent relatively continuous records from a select group of monitoring wells. Because of the large quantity of data available and the nature of the historical data, the range of data discussed is limited to the most recent groundwater sampling events. This Technical Memorandum presents the results of Geoprobe® screen-point groundwater sampling and the most recent round of monitoring well sampling (November 1997).

2. METHODOLOGY

Groundwater samples were collected in November 1997 from existing and newly installed monitoring wells and Geoprobe® screen-point locations in order to evaluate groundwater quality as part of the site characterization activities. Detailed information on well installation procedures for the newly-installed monitoring wells is included in Technical Memorandum No. 2, *Groundwater Monitoring Well Installation*; a brief review of some monitoring well installation procedures is also included here. Information on Geoprobe® screen-point groundwater sampling is included in Section 2.3.2.

2.1 Monitoring Well Installation

Monitoring wells SK-MW-19 through SK-MW-24 were installed on August 26 and 27, 1996 in the vicinity of several units. These wells were installed in areas of known groundwater contamination to aid in delineating the extent of contamination. All of the wells were installed in borings advanced with hollow-stem augers, using 2-inch diameter polyvinyl chloride (PVC) well screens. The well screens had a nominal slot size of 0.010 inches. The space between the exterior of the well screen and the borehole were filled with Morie #0 sand (or equivalent) from the bottom of the borehole to a depth of one-half to one foot above the top of the screen. Bentonite clay was placed above the sand and the well was finished with a stick-up protector. The geologic boring and well-completion logs for these new wells are included in Attachment A.

Monitoring wells NK-MW-18 and NK-MW-19 were installed on July 11 and 18, 1996 in the X-430 and X-401 areas, respectively. These wells were installed in areas of known groundwater contamination to aid in delineating the extent. Both of the wells were installed using the LEA Geoprobe® rig using prepacked well screens. The borehole was advanced using the Geoprobe® Macro-Core soil sampler, yielding a borehole with a 2.5-inch diameter. Three sections of prepacked well screens (each three feet long) were threaded together and installed to a depth of 11 feet below the ground surface. The exterior of the prepacked well screen was constructed of stainless steel wire mesh with a nominal pore size of 0.011 inches. The interior of the well screen was constructed of schedule 80 PVC well screen with an internal diameter of 0.5 inch. These screens had a nominal slot size of 0.010 inches, and were prepacked with a #20/40 sand for a maximum diameter of 1.5 inches. The space between the exterior of the well screen and the borehole were filled with #1/4 sand to a depth of one foot above the top of the screen. Bentonite clay was placed above the sand and the well was finished with a flush-mount protector. The geologic boring and well completion logs are included in Attachment A.

2.2 Analytical Parameters

The analytical parameters selected for the groundwater samples collected from monitoring wells in November 1997 were the same as those described in the Work Plan, and include VOCs, the RCRA 8 metals plus nickel and zinc, and total petroleum hydrocarbons (TPH). The groundwater was collected into and analyzed using pre-preserved laboratory supplied containers.

The analytical parameters selected for the groundwater samples collected from monitoring wells in November 1997 were the same as those described in the Work Plan, and include volatile organic compounds (VOCs), the RCRA 8 metals plus nickel and zinc, and total petroleum hydrocarbons (TPH). The groundwater was sampled and analyzed for this event using pre-preserved laboratory supplied containers.

2.3 Groundwater Sampling

2.3.1 Monitoring Well Sampling

All monitoring wells were sampled in accordance with LEA SOP ID: 10004, *Liquid Sample Collection and Field Analysis*, with some additions and modifications. The general sampling procedure is summarized below.

After opening the well cap, the sampling team measured the depth to water and the depth to the base of the well using either an electronic water-level indicator or a decontaminated fiberglass tape and sounder. Water-level measurements were recorded to the nearest 0.01 feet. The data were recorded on LEA's "Groundwater Field Data Record" forms. Water levels were obtained before purging activities began. The measurements were used to calculate the volume of water in the well, and the calculations were recorded on the field forms.

An initial set of pH, temperature, and specific conductance readings was obtained at the initiation of purging. Purging was performed with peristaltic pumps with disposable tubing. Additional field parameter readings (pH, temperature, and conductivity) were obtained and recorded after the removal of each well volume.

Purging continued until the most stringent of the following requirements had been met:

- At least three well volumes had been extracted from the well (except if the well was purged dry, then it was sampled after recharging).

- The measured field parameters had stabilized within ± 0.5 pH units, ± 10 percent for specific conductance, and $\pm 1^\circ$ for temperature.

During monitoring well sampling, a disposable Teflon[®] bailer was used to collect groundwater samples for analyses of VOCs. Samples were collected directly from the bailer by pouring gently into 40-ml glass vials. All other samples were collected with the peristaltic pump by using new tubing at each well. The samples for dissolved metals analyses were field filtered with 0.45-micron cellulose acetate high-capacity in-line filters attached directly to the discharge tubing. The samples requiring collection with a Teflon[®] bailer were taken last. Following collection, samples were placed in a cooler maintained at a temperature of 4° C for transportation to the laboratory.

Samples were identified on the sample containers and chains-of-custody by a sample number only; the well location was not identified to the laboratory. Duplicate samples were given separate sample numbers and were not identified as duplicates to the laboratory. The samples were placed into pre-preserved bottles, as appropriate, upon being collected. Chain-of-custody forms were prepared and were submitted to the laboratory with the samples by LEA personnel.

Daily trip blanks were submitted with the samples, and were analyzed for VOCs. Duplicate samples for quality control were collected from two wells during the sampling round. Equipment blanks were collected at a minimum of 1 per 20 samples, and were analyzed for all analytes collected on that particular day of sampling.

2.3.2 Geoprobe® Screen-Point Sampling

Groundwater samples were collected using the Geoprobe® screen-point sampler from soil borings, which were advanced with the Geoprobe®. This sampler consisted of a 19-inch long stainless steel screen with a pore size of 0.0057 inches that was encased inside of a perforated stainless steel sleeve. The sampler was driven with the Geoprobe® to the desired depth, and sampler was pulled up two feet which disengaged the expendable point. The inner core (the perforated steel sleeve and the screen) was pushed out two feet into the open borehole to collect groundwater from the formation. With the use of a low-flow peristaltic pump and disposable tubing, the sampler was purged of a small amount of groundwater in order to fill the tubing. The groundwater samples were then collected directly into the appropriate sample containers. These samples were labeled, handled, and stored in the same manner as described in Section 2.3.1.

2.4 Water-Level Measurements

A complete round of water-level measurements was taken on November 17, 1997. The water-level measurements were made by two field crews operating simultaneously in order to complete the entire gauging event in a single workday. Water levels were measured in all water-table monitoring wells prior to sample collection. Groundwater levels were collected using electronic water level indicators. All water level indicators were decontaminated prior to the initial use and between each subsequent use. Groundwater elevation data are discussed further in Technical Memorandum on Water Level Measurements.

2.5 Data Management Team

The following describes the tasks of the data management team:

Field Data Coordination

- Logging of incoming data and reports into the central file both on the computer tracking system and hard copy
- Entering and verifying field data and generating reports
- Analytical Data Coordination
- Tracking Chains-of-Custody and field screening results
- Tracking shipment of samples to the off-site laboratory
- Tracking samples and electronic deliverables from the off-site laboratories
- Verifying analytical data from off-site laboratories using appropriate protocols

Data Management

- Coordinating data preparation, data loading, and data verification for the database; working with project staff to develop schedules for delivery of analytical results
- Entering and verifying data in the database
- Coordinating with technical task leaders to ensure efficient delivery and preservation of data

The Project Manager provided guidance and oversight for data management activities.

2.5.1 Field Sample Tracking

Samples collected during the investigations were designated using the procedure described in the SOP for Soil Sampling in the QAM. In general, sample identification information included the following:

- Site location
- Date and Time
- Sample matrix
- Sample type
- Sample point number

Field sample tracking activities focused on the timely tracking of information about field samples taken for the Site investigation. This information included sample identifiers, chain of custody information, sample station identifiers, sample characteristics, and sample locations. This was transmitted from field to office personnel through the use of daily field summary sheets and other project information tracking forms. Daily field summary sheets were completed by each field team leader. The daily field summary sheets detailed the daily activities conducted by the staff and contractors, hours logged by staff and contractors, problems encountered, general field observations, and samples submitted for analyses. Field summary sheets and project information tracking forms were submitted to the field activities coordinator at the end of each working day or as soon thereafter as possible. The summary sheets and forms, in turn, were placed in the central file.

Field Team Leaders completed, on a daily basis, a daily log sheet, which at a minimum detailed the people working in a given area, the hours worked, the tasks performed, the number and matrix of samples collected, and the number of samples shipped for analysis. The daily log sheets were submitted to the field activities coordinator.

Specifically, field sample tracking included the following tasks:

- Assignment of sample identification numbers and other sample identifiers to new samples to be taken, and entry to a tracking system
- Production of sample bottle labels from the tracking system
- Completion of Chain-of-Custody forms, and entry of this information to the tracking system
- Entry of additional tracking dates to the tracking system

- Quality Assurance (QA) checking of the sample tracking information, and processing of change requests
- Production of tracking reports and summary sheets, with distribution to appropriate project staff

A computer-based sample-tracking system, based on a dBase® storage and retrieval system, was used for sample tracking.

2.5.2 Data Collection

2.5.2.1 Field Measurements

Field measurements included physical data (e.g., pH, temperature, specific conductance) collected on the Site. Measurements were recorded in the field and transferred manually from the field data sheets to the Site electronic analytical database, and the data from the database were verified against the hard-copy field data sheets.

2.5.2.2 Off-site Analytical Measurements

Offsite analytical measurements were generated by Averill Environmental Laboratory, Inc. (AEL) and Quanterra Environmental Services, Inc. (QES). These analytical results were delivered in both hardcopy and electronic formats and were sent to the database manager for incorporation into the analytical database. All manually transmitted data were verified against hard-copy data.

2.5.3 Field Sampling Quality Assurance

Several Quality Assurance (QA) samples were collected to confirm the reliability and validity of the field data gathered during the Site investigation. Duplicate samples were used to provide a measurement of the consistency of samples from the same sampling station and an estimate of variance and bias. Trip and equipment blanks were used to provide a measurement of cross-contamination sources, decontamination efficiency, and other potential errors that can be introduced from sources other than the sample. Specific QA procedures are discussed in Section 2.8.

Groundwater and QA/QC samples collected during this sampling event were maintained under appropriate chain-of-custody from the time they were collected until they were analyzed. Chain-of-custody procedures were used to maintain and document sample possession from collection through analysis. The following documents identify samples and document possession:

- Sample labels
- Chain-of-custody record forms
- Field notebooks

The field sampler was responsible for the care and custody of the samples collected until they are transferred under the chain-of-custody procedures.

2.5.4 Data Verification

Analytical data were verified to assure the accuracy of the electronic as compared to the hardcopy analytical laboratory reports. Data verification involved having someone other than the database administrator manually check a printout from the electronic database against the laboratory hardcopies. Deviations from the hardcopies were reported to the database administrator, and the subsequent changes re-checked to verify their accuracy.

2.5.5 Analytical Database Repository

The electronic analytical database was maintained in a dBase® format. The database management functions are described in the following paragraphs.

2.5.5.1 Database Administration

Database administration included coordination of data entry and verification, and review of data for completeness and correctness. The database manager interfaced with the project manager, task leaders, and field personnel to ensure that the database met the project objectives.

2.5.5.2 Electronic Data Entry

Data received from AEL or QES in electronic format were checked for completeness by comparing data received with data analyses requested in the chain-of-custody forms. Electronic disks were logged in, checked to see that the files received matched the transmittal paperwork, copied, and archived in the project files.

The electronic data files were downloaded into temporary database files; this download process was conducted by the database manager. The downloaded data were loaded into the analytical database and flagged as "not verified" for review by the technical staff.

All of the results received in electronic format were compared with paper copies of the original lab data sheets. In addition, the sample identification number, location, constituent, and qualifier

codes were verified. Upon completion of electronic data verification, the verified files in the electronic database were subjected to the same verification procedures as the unverified electronic data files received from the analytical laboratories.

2.5.5.3 Manual Data Entry

Manual data entry was performed for the analytical data and physical data not received in electronic format. The unverified data were manually entered into the analytical database with results marked as "not verified". Following data verification, the electronic data were flagged as "verified."

Verification of manually entered data was performed using the following procedures:

- A listing was produced of data entered to serve as a checkpoint.
- Each record entered into the database was compared to original coded sheets; correct values were highlighted, and incorrect values were marked with revisions in red. The first page of each data listing was signed and dated by the person completing the comparison.
- Corrections were made to the database.
- Listings were produced of corrected data, and the comparison was repeated (only to corrected values). This procedure was repeated until corrections are completed.
- Temporary files were converted to final files.

2.5.5.4 Archiving of Electronic Data

Archiving of the electronic project database was routinely accomplished. Data were backed up on a no-less-than weekly basis. Data also were backed up at the conclusion of the project. The permanent archive for the analytical and geological/hydrological data is the hardcopy files maintained by Loureiro Engineering Associates (LEA).

2.5.6 Data Presentation

The objective of data presentation was to illustrate the analytical and geological/hydrogeological data for the Site in formats that facilitated data interpretation and visualization. These formats included both tables and figures, as appropriate.

2.5.6.1 Analytical Data Presentation

Two types of analytical data presentation were provided: *final tables* that were generated to be included in the final report, and *working tables* that were generated for specific uses by the technical task leaders, project manager, and other project personnel. All requests for data output were submitted to the data manager in a written format, with clear instructions as to the type of output requested.

Examples of tables created include:

- Appendix-style (tabular listings sorted by location and sample ID)
- Summary of detected values included in the final report
- Site information including measurements of water-table elevation and sample/station location coordinates
- Analytical data including constituents of concern, analyte concentrations, and qualifiers

2.5.6.2 Facility Maps

Facility maps were created using AutoCAD® software. Project base maps were generated using available information from a variety of sources that have been incorporated into the AutoCAD® files.

2.5.6.3 Graphical Data Display

Graphical data display combined analytical data and/or geological/hydrogeological data with information from the facility base map.

Examples of graphical outputs include:

- Groundwater potentiometric surface contours
- Areal distribution of contaminant concentrations in groundwater
- Cross-sections of stratigraphy, water-table elevations, or vertical and horizontal distribution of contaminant concentrations

2.5.7 File Organization

Files for original analytical data obtained during this investigation were maintained. Incoming data were logged into the central file both on the project analytical database and on hardcopy and then were appropriately placed in the central file. Analytical results from the laboratories were keyed to the sample identification numbers assigned during sample collection. Team members worked from copies of incoming documents; the original documents were kept in the central files. Field log books also were kept as part of the central file and considered to be original documents.

Original field notebooks, log sheets, and other information were transferred from the central file to a designated archive location upon the completion of the project. Chemical and physical data generated during the Site investigation were stored in paper document form. Computerized data were stored in both hard copy and electronic back-up formats.

2.6 Sample Management

After collecting samples, field crews completed chain-of-custody forms, transported, and submitted samples to the off-site laboratory. All groundwater samples were submitted for analysis to Averill Environmental Laboratory, Inc. (AEL) or Quanterra Environmental Services, Inc. (QES). The LEA field activities coordinator, in conjunction with LEA data-management, tracked all the samples that were submitted for laboratory analysis.

2.7 Waste Management

All purge water generated during groundwater sampling events for the site characterization was placed into labeled, numbered, 55-gallon closed-top drums supplied by Pratt & Whitney. Field crew personnel recorded which purge water went into each drum, dates of starting each drum, and dates of completing each drum. This information was recorded on the appropriate Waste Management Record Form.

2.8 Quality Assurance/Quality Control Samples

Three types of quality assurance/quality control (QA/QC) samples were collected: equipment blanks; trip blanks; and duplicate samples. The responsibility of QA/QC sample collection was rotated during the sampling event so that QA/QC monitoring would reflect the practices of each sampling crew member.

Matrix spike and matrix-spike duplicate samples are QC samples required to evaluate analytical precision and accuracy. These were required by the off-site laboratory for internal quality control. However, separate matrix spike and matrix-spike duplicate samples were not collected during this sampling event because sufficient sample volume was available for all analytes. Separate laboratory reports for these were not provided by the off-site laboratory.

2.8.1 Equipment Blank Samples

An equipment-blank sample was collected from the disposable Teflon® bailer or from the peristaltic pump and the disposable filter and tubing on each sampling day. Laboratory-supplied distilled water was poured or pumped over or through the sampling equipment and collected as the equipment-blank sample. Equipment blanks were analyzed for the same parameters as the groundwater samples. Each equipment-blank sample was given a unique sample number and was not identified as a QC sample to the laboratory. Each equipment blank sample was handled exactly as the other groundwater samples.

2.8.2 Trip Blank Samples

Daily trip-blank samples were submitted with the groundwater samples collected from monitoring wells. Each trip blank consisted of two 40-ml glass vials, was prepared by the off-site laboratory using HPLC-grade water preserved with hydrochloric acid (HCl) to a pH of less than 2. The trip blanks accompanied the VOC sampling vials each day from the laboratory, through the field sampling, and to the submission of the samples to the analytical laboratory.

The trip blank was given a unique sample number, and each sample container was labeled as a preserved trip blank. Trip blanks were analyzed for VOCs according to US EPA SW-846 Method 8260.

2.8.3 Duplicate Samples

Duplicate samples were collected by simultaneously filling two identical sets of sample bottles. Each duplicate sample was analyzed for the same parameters as the original sample. Duplicate samples were given a separate sample number and were not identified as duplicate samples to the laboratory. Duplicate samples were collected at a frequency of approximately 1 per 20 samples from wells sampled. Duplicates were collected at monitoring wells EA-MW-02S and EA-MW-11S.

2.9 Waste Management

All purge water generated during groundwater sampling events for the site characterization was placed in 55-gallon closed-top drums for subsequent off-site disposal by Pratt & Whitney. The drums were labeled, the wells contributing to each was listed, and the information tracked to aid in waste characterization and disposal.

2.10 Health and Safety

Field crews conducted field operations in accordance with the LEA Site Health and Safety Plan that was included in the Work Plan. In general, wells were sampled in modified Level D personal protective equipment (PPE) consisting of safety glasses and surgical or nitrile gloves.

3. SOUTH AIRPORT AND SOUTH KLONDIKE AREA RESULTS

Groundwater sampling has been conducted in the South Airport and South Klondike Areas of the Pratt & Whitney facility since approximately 1990. This section provides a brief description of the results of the latest round of groundwater sampling of monitoring wells, and the results of groundwater sampling conducted during soil boring installations in the area. In general, groundwater sampling results for monitoring wells are based upon the latest round of groundwater sampling data available. A summary of the detected constituents in groundwater is presented in Table 2.

The results of laboratory analyses of the equipment blank and trip blank samples collected during the November 1997 groundwater sampling event are presented in Attachment E. None of the constituents analyzed in 1997 were detected in the blanks. During previous sampling events, various constituents have been detected in trip and equipment blanks at low concentrations. In February 1997, methyl-*t*-butyl ether was detected in the trip blank. During 1996 and 1997 barium copper, lead, and zinc were detected in low concentrations (typically less than 0.02 mg/l) in various equipment blanks, along chloroform, methyl-*t*-butyl ether, methyl ethyl ketone, and total xylenes.

3.1 Horizontal Groundwater Flow

As discussed in the Technical Memorandum on Water Level Measurements, a contour map of groundwater elevations in the shallow aquifer was prepared for water levels collected from monitoring wells on November 17, 1997. The direction of horizontal groundwater flow is generally toward the west. More detail on water level measurements and the directions of groundwater flow are presented in the Technical Memorandum on Water Level Measurements.

3.2 Distribution of Substances in Groundwater

The primary constituents detected in groundwater collected from monitoring wells in the South Klondike and South Airport areas are VOCs (particularly tetrachloroethylene and its associated degradation products), several metals, and TPH. The highest concentrations of VOCs were detected in the Cryogenics Area and VPSA Area where VOCs had been detected during previous groundwater sampling events. The occurrence of metals in the groundwater was more widespread and generally appears to be natural (for barium and zinc). TPH was detected sporadically in several locations in the South Airport and South Klondike Areas.

3.2.1 Distribution of VOCs

In the South Airport Area, very low concentrations of VOCs were detected in wells SA-MW-02I (tetrachloroethylene at 1.7 µg/l), SA-MW-05S (tetrachloroethylene at 1.3 µg/l), and SA-MW-05I (tetrachloroethylene at 2.4 µg/l), and in groundwater samples collected from soil borings SA-SB-50 (total xylenes at 2.0 µg/l) and SA-SB-84 (tetrachloroethylene at 1.9 µg/l). Well SA-MW-02I is located west of the Contractor Area. Wells SA-MW-05S and SA-MW-05I are located in the Contractor Area. Soil boring SA-SB-50 is located in Fire Training Area "B". Soil boring SA-SB-84 is located

In the South Klondike Area, VOCs were detected in wells SK-MW-05, SK-MW-07, SK-MW-12, SK-MW-14I, SK-MW-15I, SK-MW-19, SK-MW-20, and SK-MW-24 and in screen-point samples SK-SB-68, SK-SB-70 through SK-SB-76, SK-SB-78 through SK-SB-81, SK-SB-93, SK-SB-95, and SK-SB-97. Wells SK-MW-05, SK-MW-14I, and SK-MW-20 are located in or immediately downgradient of VPSA Storage Area 3. Well SK-MW-07 is located in the Linde® Gas/Chemical Storage Area, next to one of the Former Drum Storage Areas. Monitoring well SK-MW-12 is located in the Tie-Down Area, downgradient of Fire Training Area "A". Monitoring wells SK-MW-15I, SK-MW-19, and SK-MW-24 are located downgradient of the contiguous Cryogenics Area and the VPSA Outside Drum Storage Areas. Screen-point sample SK-SB-68 is located in the Tie-Down Area. Screen-point samples SK-SB-70 through SK-SB-76, SK-SB-78 through SK-SB-81 are located in the Cryogenics Area. Screen-point samples SK-SB-93, SK-SB-95, and SK-SB-97 are located in the VPSA Area.

The VOCs detected in both the South Airport and South Klondike Areas are summarized together here. Several VOCs were detected, including chloroethane (CEA), chloroform (CFM), 11DCA, 1,1-dichloroethylene (11DCE), cis-1,2-dichloroethylene (CDCE), trans-1,2-dichloroethylene (TDCE), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene, 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), vinyl chloride (VC), and xylenes (XYL). CEA was detected at two locations, SK-SB-74 and SK-SB-76, at concentrations of 1.7 and 3,300 J11 µg/l, respectively. The "J11" qualifier indicated that the value was estimated because the concentration was above the calibration range. CFM was detected at one location, SA-MW-05S, at a concentration of 1.0 µg/l. 11DCA was detected at six locations (four wells and two screen points) at concentrations ranging between 1.3 and 2,600 µg/l. 11DCE was detected at three locations (SK-MW-14I, SK-MW-20, and SK-SB-76) at concentrations ranging between 2.5 and 40 J11 µg/l. CDCE was detected at 11 locations, SK-MW-15I, SK-MW-19, SK-MW-24, SK-SB-70 through SK-SB-77, SK-SB-80, SK-SB-119, SK-SB-133, SK-SB-175, SK-SB-181

through SK-SB-184, SK-SB-191, SK-SB-253, SK-SB-258, and SK-SB-266 through SK-SB-268, at concentrations ranging between 2.6 and 2,000 µg/l. TDCE was detected at three locations, SK-MW-24, SK-SB-182, and SK-SB-191, at concentrations ranging between 1.2 and 4.6 µg/l. EBZ was detected at three locations, SK-MW-14I, SK-SB-75, and SK-SB-76, at concentrations ranging between 4.7 and 12 µg/l. PCE was detected at 34 locations, SA-MW-05S, SA-SB-84, SK-MW-05, SK-MW-14I, SK-MW-15I, SK-MW-19, SK-MW-20, SK-MW-21, SK-MW-24, SK-SB-68, SK-SB-73 through SK-SB-81, SK-SB-93, SK-SB-97, SK-SB-133, SK-SB-173 through SK-SB-175, SK-SB-181 through SK-SB-184, SK-SB-191, SK-SB-199, SK-SB-201, SK-SB-206, SK-SB-213, and SK-SB-268, at concentrations ranging between 1.3 and 25,000 J11 µg/l. Toluene was detected at two locations, SK-MW-14I and SK-SB-76, at concentrations of 160 and 31,000 J11 µg/l, respectively. TCA was detected at 13 locations, SK-SB-72, SK-SB-76, SK-SB-77, SK-SB-133, SK-SB-137, SK-SB-191, SK-SB-215, SK-SB-218, SK-SB-230, SK-SB-232, through SK-SB-234, and SK-SB-238, at concentrations ranging between 1.2 and 430 µg/l. TCE was detected at 13 locations, SK-MW-24, SK-SB-72 through SK-SB-74, SK-SB-76, SK-SB-77, SK-SB-81, SK-SB-175, SK-SB-182 through SK-SB-184, SK-SB-191, and SK-SB-268, at concentrations ranging between 1.4 and 3,600 µg/l. XYL was detected at nine locations, SA-SB-50, SK-SB-75 through SK-SB-77, SK-SB-119, SK-SB-127, SK-SB-175, SK-SB-184, and SK-SB-222, at concentrations ranging between 2.0 and 180 µg/l. VC was detected at six locations, SK-SB-75 through SK-SB-77, SK-SB-184, SK-SB-191, and SK-SB-267, at concentrations ranging between 2.0 and 69 J11 µg/l.

Several VOCs were detected in the groundwater samples collected with the Geoprobe® screen-point sampler. In the Tie-Down Area near Fire Training Area "A", PCE was detected in boring SK-SB-68 at a concentration of 2.3 µg/l. In the VPSA Drum Storage Areas, CDCE was detected in borings SK-SB-70 and SK-SB-71 at concentrations of 3.8 and 2.6 µg/l, respectively. TCA, 11DCA, CDCE, and TCE were detected in boring SK-SB-72 at concentrations of 1.2, 1.3, 11, and 2.2 µg/l, respectively. PCE, CDCE, TCE, and VC were detected in boring SK-SB-73 at concentrations of 3.7, 35, 3.8 and 11 µg/l, respectively. PCE, CDCE, and TCE were detected in boring SK-SB-74 at concentrations of 8.6, 23, and 1.8 µg/l, respectively. EBZ, CDCE, VC, and XYL were detected in boring SK-SB-75 at concentrations of 9.4, 4.5, 3.9, and 32 µg/l, respectively. CEA, 11DCA, 11DCE, CDCE, TDCE, EBZ, PCE, toluene, TCA, TCE, VC, and XYL were detected in boring SK-SB-76 at concentrations of 3,300 J11, 2,600, 31 J11, 780, 1.4, 12, 4,500 J11, 31,000 J11, 52 J11, 1,400, 180, and 69 J11 µg/l, respectively. 11DCA, 11DCE, CDCE, TDCE, EBZ, PCE, toluene, TCA, TCE, VC, and XYL were detected in boring SK-SB-77 at concentrations of 210, 11, 6,100 J11, 21, 1.1, 170, 12, 41, 150, 250, and 9.4 µg/l, respectively. In the Cryogenics Area near the underground storage tank (UST), PCE was

detected in borings SK-SB-78 and SK-SB-79 at concentrations of 9.6 and 6.6 µg/l, respectively. PCE and CDCE were detected in boring SK-SB-80 at concentrations of 11 and 21 µg/l, respectively. PCE and TCE were detected in boring SK-SB-81 at concentrations of 51 and 1.4 µg/l, respectively. In the VPSA Area downgradient of the Drum storage Areas, PCE was detected in boring SK-SB-93 at a concentration of 51 µg/l (and 76E µg/l as analyzed by the LEA Analytical Laboratory, the "E" flag indicates that the value was estimated because the concentration was outside the calibration range). PCE was detected in boring SK-SB-95 below the method detection limit at a concentration of 2J µg/l (analyzed by the LEA Analytical Laboratory, the "J" flag indicates that the value was estimated because the compound was present at a concentration below the method detection limit). PCE was detected in boring SK-SB-97 at a concentration of 8.7 µg/l.

3.2.2 Distribution of Metals

Metals detected in groundwater samples collected from monitoring wells included arsenic, barium, cadmium, chromium, lead, mercury, nickel, and zinc. Some of these metals (particularly barium and zinc) appear to be the result of natural groundwater geochemistry, based on the observed concentration ranges and the spatial distribution of the detects. Barium was detected in approximately 45 samples at concentrations ranging between 0.012 and 0.82 mg/l. Zinc was detected in approximately 48 samples at concentrations ranging between 0.010 and 0.370 mg/l.

Arsenic was detected in two monitoring wells (SK-MW-08D at 0.0635 mg/l, and SK-MW-14I at 0.0157 mg/l) and two soil borings (SK-SB-75 at 0.005 mg/l, and SK-SB-76 at 0.006 mg/l) in the South Klondike. Arsenic was not detected in groundwater samples from the South Airport.

Cadmium was detected in two monitoring wells (SK-MW-19 at 0.0350 mg/l, and SK-MW-22 at 0.0073 mg/l) and two soil borings (SK-SB-77 at 0.0019 mg/l, and SK-SB-78 at 0.0012 mg/l) in the South Klondike. Cadmium was not detected in groundwater samples from the South Airport.

Chromium was not detected in groundwater samples from the South Airport Area. Chromium was detected in groundwater samples collected from three soil borings (SK-SB-228 at 0.0179 mg/l, SK-SB-230 at 0.0254 mg/l, and SK-SB-232 at 0.0224 mg/l) and eight monitoring wells (SK-MW-01 at 0.0152 mg/l, SK-MW-04 at 0.0129 mg/l, SK-MW-05 at 0.0113 mg/l, SK-MW-06 0.0116 mg/l, SK-MW-07 0.0430 mg/l, SK-MW-08D at 0.627 mg/l, SK-MW-19 at 0.0977 mg/l, and SK-MW-22 at 0.0116 mg/l) in the South Klondike Area.

Lead was detected in groundwater samples collected from six monitoring wells in the South

Klondike Area (SK-MW-01 at 0.0089 mg/l, SK-MW-04 at 0.0082 mg/l, SK-MW-06 at 0.0072 mg/l, SK-MW-08D 0.204 mg/l, SK-MW-10 0.0031 mg/l, and SK-MW-12 at 0.0124 mg/l). Lead was not detected in groundwater samples collected in the South Airport Area.

Mercury was detected in groundwater samples collected from two soil borings in the South Airport Area (SA-SB-82 at 0.004 mg/l and SA-SB-87 at 0.0014 mg/l). Mercury was detected in a single groundwater sample collected from soil boring SK-SB-130 (at 0.005 mg/l) in the South Klondike Area.

Nickel was detected in a single groundwater sample collected in the South Klondike from monitoring well SK-MW-08D (at 0.585 mg/l). Nickel was not detected in groundwater samples collected from the South Airport Area.

Historically, low concentrations of additional metals, such as copper and iron, have been detected in some of the monitoring wells.

3.2.3 Distribution of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons

In the South Klondike Area, 4-cresol was detected in SK-MW-14I at a concentration of 14 µg/l. Naphthalene and phenanthrene were detected in groundwater samples collected from soil borings SK-SB-75 at concentrations of 260 and 2.02 MDL µg/l, respectively. The "MDL" qualifier indicate that it was reported at the method detection limit. Naphthalene was detected in the groundwater sample collected from soil boring SK-SB-76 at a concentration of 27 µg/l. Bis(2-ethylhexyl)phthalate was detected in the groundwater sample collected from soil boring SK-SB-79 at a concentration of 1.98 MDL µg/l. Borings SK-SB-75 and SK-SB-76 were located in the VPSA Area near the Drum Storage Areas. Boring SK-SB-79 was located in the Cryogenics Area near the UST. Bis(2-ethylhexyl)phthalate was detected in the groundwater samples collected from soil borings SK-SB-211 and SK-SB-230 at concentrations of 1.98 MDL µg/l and 8.8 µg/l, respectively. Phenanthrene and 2-methylnaphthalene were detected in the groundwater sample collected from soil boring SK-SB-223 at concentrations of 1.6 µg/l and 13 µg/l, respectively. Pentachlorophenol was detected in the groundwater sample collected from soil boring SK-SB-232 at a concentration of 2.8 µg/l.

In the South Airport Area benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and phenanthrene were detected in a groundwater sample collected from soil boring SA-SB-161, at concentrations of 1.1j, 1.1j, 1.2j, and 1.5j µg/l, respectively, and bis(2-ethylhexyl)phthalate was detected in a groundwater sample from soil boring SA-SB-87 at a concentration of 11 MDL µg/l.

The "MDL" qualifier indicates that it was reported at the method detection limit.

In the South Airport Area, TPH was detected in wells SA-MW-02I and SA-MW-04 at concentrations of 0.5 and 0.5 mg/l, respectively, and in a groundwater sample collected from soil boring SA-SB-146 at a concentration of 1.0 mg/l. Monitoring wells SA-MW-02I and SA-MW-04 are located west and southwest of the Contractor Storage Area.

In the South Klondike Area, TPH was detected in monitoring wells SK-MW-02 (0.6 mg/l), SK-MW-08S (0.8 mg/l), SK-MW-16 (1.0 mg/l), and in groundwater samples collected from soil borings SK-SB-71 (0.7 mg/l), SK-SB-72 (0.7 mg/l), SK-SB-75 (0.9 mg/l), and SK-SB-76 (1.8 mg/l), SK-SB-115 (10.2 mg/l), SK-SB-119 (4.7 mg/l), SK-SB-211 (1.0 mg/l), and SK-SB-222 (290 mg/l). Monitoring well SK-MW-02 is located in the Undeveloped Land Area, east of the VPSA Area, monitoring well SK-MW-08S is located west of the VPSA Area, and monitoring well SK-MW-16 is located west of the Tie-Down Area.

3.2.4 Distribution of Polychlorinated Biphenyls

Polychlorinated biphenyls (PCBs) were detected in groundwater samples collected from two soil borings. Total PCBs were detected in SA-SB-145 at a concentration of 25 µg/l and in SA-SB-150 at a concentration of 6.80 µg/l. PCBs were not detected in groundwater samples collected from the South Klondike Area.

3.3 Evaluation of Results

Based on the presence of VOCs in the groundwater collected from monitoring wells, there is evidence that one or more releases have occurred in the VPSA Area and the Tie-Down Area. Based on the presence of VOCs in the groundwater collected with the Geoprobe® screen-point sampler, there is evidence that one or more releases has occurred in the VPSA Area, the Cryogenics Area, and the Tie-Down Area.

The data were compared against the default numeric criteria included in the Connecticut Remediation Standard Regulation (RSR). Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. A qualitative evaluation was performed because characterization of the identified contamination has not been completed. The intent of the comparison is not to show compliance with the RSR, but rather to give a general perspective regarding the magnitude of contamination detected. The qualitative evaluation of the groundwater data is based on a comparison to the surface water protection

criteria (SWPC) and the residential and industrial/commercial volatilization criteria included in the RSR. Groundwater samples which exceeded the default numeric surface water protection criteria are summarized in Table 5. Groundwater samples which exceeded the default numeric residential volatilization criteria are summarized in Table 6.

In the South Airport Area, PCBs were detected above the default numeric surface water protection criteria of 0.5 µg/l in groundwater samples collected from soil borings SA-SB-145 (2.50 µg/l) and SA-SB-150 (6.80 µg/l). Mercury was detected above the default numeric surface water protection criteria of 0.0004 mg/l in the groundwater sample collected from soil boring SA-SB-87 (0.0014 mg/l). Benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and phenanthrene were detected above the default numeric surface water protection criteria of 0.3, 0.3, 0.3, and 0.077 µg/l, respectively, in the groundwater sample collected from soil boring SA-SB-161, at concentrations of 1.1j, 1.1j, 1.2j, and 1.5j µg/l, respectively. Phenanthrene was detected above the surface water protection criterion of 0.077 µg/l in boring SK-SB-75, which is in the VPSA Area near the drum storage areas.

No exceedances of the default numeric residential volatilization criteria were detected in groundwater samples collected in the South Airport Area.

For the groundwater quality data collected from the South Klondike Area, PCE was detected above the default numeric surface water protection criterion of 88 µg/l in wells SK-MW-05, SK-MW-14I, SK-MW-15I, SK-MW-19, SK-MW-20, and SK-MW-24. These wells are located in the VPSA Area and the Firing Range Area. TCE was detected above the surface water protection criterion of 2,340 µg/l in well SK-MW-14I. 11DCE was detected above the default numeric residential and industrial/commercial volatilization criteria in wells SK-MW-14I and SK-MW-20 (residential only). PCE was detected above the residential and industrial/commercial volatilization criteria in wells SK-MW-05 (residential only), SK-MW-14I, SK-MW-15I, and SK-MW-20. TCE was detected above the residential and industrial/commercial volatilization criteria in wells SK-MW-14I, SK-MW-20 (residential only), and SK-MW-24. VC was detected above the residential and industrial/commercial volatilization criteria in well SK-MW-24.

Tetrachloroethylene was detected above the surface water protection criterion in borings SK-SB-76 and SK-SB-77, which are in the VPSA Area near the drum storage areas. Tetrachloroethylene and trichloroethylene were detected above the residential and industrial/commercial volatilization criteria in boring SK-SB-76. Groundwater samples collected from soil borings SK-SB-76 and SK-SB-77 contained 1,1-dichloroethylene above the residential volatilization criteria in borings SK-SB-76 and SK-SB-77. Toluene was detected above the residential, but not the

industrial/commercial, volatilization criteria in boring SK-SB-76. Vinyl chloride was detected above the residential and industrial/commercial volatilization criteria in borings SK-SB-73 and SK-SB-75 through SK-SB-77.

Historically, benzene was detected above the surface water protection criterion and the residential and industrial/commercial volatilization criteria in Geoprobe® well-point SK-GP-03. 1,1-Dichloroethylene has been detected above the surface water protection criterion of 96 µg/l in Geoprobe® well-points SK-GP-41, SK-GP-42, and SK-GP-46. 1,1-Dichloroethylene has also been detected above the residential and industrial/commercial volatilization criteria in Geoprobe® well-points SK-GP-01, SK-GP-03, SK-GP-05, SK-GP-06, SK-GP-07 (residential only), SK-GP-11, SK-GP-12, SK-GP-16, SK-GP-18, SK-GP-20, SK-GP-22, SK-GP-24, SK-GP-26 through SK-GP-30, SK-GP-31 (residential only), SK-GP-32, SK-GP-41, SK-GP-42, SK-GP-46, SK-GP-50, SK-GP-56 (residential only), SK-GP-62, SK-GP-63, SK-GP-65, SK-GP-66 (residential only), and SK-GP-68. Tetrachloroethylene has been detected above the surface water protection criterion in Geoprobe® well-points SK-GP-01, SK-GP-03, SK-GP-05 through SK-GP-07, SK-GP-11, SK-GP-12, SK-GP-18, SK-GP-19, SK-GP-22, SK-GP-24, SK-GP-26 through SK-GP-30, SK-GP-32 through SK-GP-35, SK-GP-41, SK-GP-42, SK-GP-46 through SK-GP-48, SK-GP-50, SK-GP-56, SK-GP-57, SK-GP-61 through SK-GP-66, and SK-GP-68. Tetrachloroethylene has also been detected above the residential and industrial/commercial volatilization criteria in Geoprobe® well-points SK-GP-01, SK-GP-03, SK-GP-05, SK-GP-06, SK-GP-12, SK-GP-18, SK-GP-24, SK-GP-26, SK-GP-41, and SK-GP-46. 1,1,1-Trichloroethane has been detected above the residential, but not the industrial/commercial, volatilization criteria in Geoprobe® well-points SK-GP-03 and SK-GP-41. Trichloroethylene has been detected above the residential and industrial/commercial volatilization criteria in Geoprobe® well-points SK-GP-01, SK-GP-03, SK-GP-05, SK-GP-06 (residential only), SK-GP-12, SK-GP-18, SK-GP-24, SK-GP-25, SK-GP-41, SK-GP-46, SK-GP-48, SK-GP-62 (residential only), and SK-GP-63. Vinyl chloride has been detected above the residential and industrial/commercial volatilization criteria in Geoprobe® well-points SK-GP-05 through SK-GP-08, SK-GP-16, SK-GP-19, SK-GP-20, SK-GP-22 through SK-GP-24, SK-GP-28 through SK-GP-32, SK-GP-35 through SK-GP-42, SK-GP-44 through SK-GP-48, SK-GP-50, SK-GP-52, SK-GP-53, SK-GP-56, SK-GP-60, SK-GP-62 through SK-GP-66, and SK-GP-68.

Arsenic was detected above the surface water protection criterion of 0.004 mg/l in monitoring well SK-MW-08D (0.0635 mg/l) borings SK-SB-75 (0.005 mg/l) and SK-SB-76 (0.008 mg/l). Cadmium was detected above the surface water protection criterion of 0.006 mg/l in SK-MW-19 (at 0.0350 mg/l). Lead was detected above the default numeric surface water protection criteria

of 0.013 mg/l in monitoring well SK-MW-08D (0.204 mg/l). Mercury was detected above the default numeric surface water protection criteria of 0.0004 mg/l in the groundwater sample collected from SK-SB-130 (0.0005 mg/l). Zinc was detected above the default numeric surface water protection criterion of 0.123 mg/l in monitoring well Sk-MW-08D (0.370 mg/L) and in the groundwater samples collected from soil borings SK-SB-68 (0.259 mg/l), SK-SB-136 (0.137 mg/l), and SK-SB-173 (0.191 mg/l).

4. NORTH AIRPORT AND NORTH KLONDIKE AREA RESULTS

The results of laboratory analyses of the groundwater and duplicate samples collected from monitoring wells during the sampling conducted in 1997 and groundwater sampling from Geoprobe® screen-point samples from 1996 and 1997 is presented in Attachment B. A summary of the detected constituents is presented in Table 2.

The results of laboratory analyses of the equipment blank and trip blank samples collected during the November 1997 groundwater sampling event are presented in Attachment E. None of the constituents analyzed in 1997 were detected in the blanks. During previous sampling events, various constituents have been detected in trip and equipment blanks at low concentrations. In February 1997, methyl-*t*-butyl ether was detected in the trip blank. During 1996 and 1997 barium copper, lead, and zinc were detected in low concentrations (typically less than 0.02 mg/l) in various equipment blanks, along chloroform, methyl-*t*-butyl ether, methyl ethyl ketone, and total xylenes.

4.1 Horizontal Groundwater Flow

As discussed in the Technical Memorandum on Water Level Measurements, a contour map of groundwater elevations in the shallow aquifer was prepared for water levels collected from monitoring wells on November 17, 1997. The direction of horizontal groundwater flow is generally toward the west. More detail on water level measurements and the directions of groundwater flow are presented in the Technical Memorandum on Water Level Measurements.

4.2 Distribution of Substances in Groundwater

The primary constituents detected in groundwater collected from monitoring wells in the North Klondike and North Airport areas are volatile organic compounds (VOCs), particularly tetrachloroethylene, and several metals. The highest concentrations of VOCs were detected in the X-430 Area where VOCs had been detected during previous groundwater sampling events. The occurrence of metals in the groundwater was more widespread and, for barium and zinc, appears to be natural. Semivolatile organic compounds and PCBs were also detected in isolated groundwater samples collected from soil borings in the North Airport.

4.2.1 Distribution of VOCs

The distribution and concentrations of VOCs detected in groundwater samples collected from

monitoring wells are illustrated on Drawing 2. Although isolated occurrences of specific compounds were detected in groundwater across the site, the number of compounds detected was very limited. A total of only three VOCs were detected in samples collected from the monitoring wells in November 1997. These were tetrachloroethylene (PCE), trichloroethylene (TCE), and xylenes. PCE was detected at two locations, NK-MW-03 and NK-MW-16, at concentrations of 58 µg/l and 68 µg/l, respectively. TCE was detected at one location, NK-MW-16, at a concentration of 6.2 µg/l. Xylenes (total) was detected at one location, NK-MW-11, at a concentration of 5.1 µg/l. Wells NK-MW-03 and NK-MW-16 are located in the X-430 Area near the steel tank. Well NK-MW-11 is located in the X-401 Area near the dry wells.

Historically, high concentrations of PCE have been detected at monitoring well NK-MW-03. In addition, very low concentrations of additional VOCs have been detected in some of the monitoring wells. These VOCs included carbon disulfide, 1,2-dichloroethylene, ethylbenzene, methyl-tert-butyl ether (MTBE), methylene chloride, toluene, 1,1,1-trichloroethane (TCA), and trichloroethylene (TCE), as shown on Table 3.

Several VOCs were detected in the groundwater samples collected with the Geoprobe® screen-point sampler. In the X-430 Area near the steel tank, PCE was detected at concentrations of 10 and 20 µg/l in borings NK-SB-19 and NK-SB-20, respectively. Chloroform was detected at a concentration of 1.4 µg/l in boring NK-SB-21. Chloroform and PCE were detected at concentrations of 1.3 and 12 µg/l, respectively, in boring NK-SB-22. Chloroform and PCE were detected at concentrations of 1.5 and 44 µg/l, respectively in boring NK-SB-23. Carbon disulfide, chloroform, and PCE were detected at concentrations of 24J11, 1.4, and 94 µg/l, respectively, in boring NK-SB-24. In the X-415 Area near the aboveground tank (AGT), chloroform was detected at a concentration of 1.4 µg/l in boring NK-SB-26. In the X-312 Area near the former tank farm, TCE was detected by the LEA Analytical Laboratory in the groundwater samples collected from two locations, NK-SB-49 and NK-SB-50, at concentrations of 6J µg/l and 4µg/l, respectively. The "J" flag indicates that the concentration of TCE in NK-SB-49 was estimated because the compound was present at a concentration at or below the method detection limit.

Volatile organic compounds were detected in groundwater samples collected from the North Airport and North Klondike areas during the November 1997 groundwater sampling event only from monitoring well NK-MW-18 in which 1,1-dichloroethane was detected at a concentration of 15 µg/l. No VOCs were detected in the groundwater samples collected from the North Airport monitoring wells.

4.2.2 Distribution of Metals

Metals detected in groundwater samples collected from soil borings and monitoring wells in the North Airport and North Klondike Areas include arsenic, barium, cadmium, chromium, lead, nickel, and zinc. Some of these metals (particularly barium and zinc) are naturally occurring in groundwater. Arsenic was detected in three groundwater samples in the North Klondike Area at concentrations of 0.0051 mg/l (NK-MW-17), 0.0146 mg/l (NK-SB-341), and 0.0206 mg/l (NK-SB-342). Cadmium was detected in the North Airport at two groundwater sampling locations (NA-SB-09 at 0.202 mg/l, and NA0SB-29 at 0.0031 mg/l) and at two groundwater sampling locations in the North Klondike (NK-MW-04 at 0.0019 mg/l in the X-194 Area, and NK-SB-269 at 0.0018 mg/l). Nickel was not detected in the North Airport groundwater samples. Nickel was detected in several soil borings and monitoring wells in the North Klondike (NK-MW-17 at 0.0412 mg/l, NK-MW-19 at 0.153 mg/l, NK-SB-19 at 2.486 mg/l, NK-SB-20 at 0.023 mg/l, NK-SB-46 at 0.079 mg/l, NK-SB-47 at 0.235 mg/l, NK-SB-341 at 0.0611 mg/l, and NK-SB-342 at 0.12 mg/l).

Barium and zinc are ubiquitous at low concentrations in the groundwater throughout the North Airport and North Klondike areas. These metals are present at low concentrations (barium was detected at concentrations between 0.010 mg/l and 0.797 mg/l, and was typically present below 0.3 mg/l; zinc was detected at concentrations between 0.11 mg/l and 0.641 mg/l, and was typically present at concentrations below 0.1 mg/l). The low concentration ranges of barium and zinc, and the widespread nature of their occurrence suggests that these two metals are natural groundwater constituents.

Historically, low concentrations of additional metals have been detected in some of the monitoring wells. These metals included lead, copper, chromium, and iron. Data for all groundwater samples collected in the North Airport and North Klondike Areas are presented in Table 3.

4.2.3 Distribution of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons

Semivolatile organic compounds (SVOCs) have been detected in low concentrations in the North Airport and North Klondike Areas. The compounds detected include benzo[b]fluoranthene (NA-SB-57 at 1.2 µg/l) and bis (2-ethylhexyl) phthalate (NK-SB-225 at 1.7 µg/l, NK-SB-226 at 2.3 µg/l, and NK-SB-318 11j µg/l).

Total petroleum hydrocarbons (TPH) were detected in groundwater samples collected in the north Airport and North Klondike Areas. TPH has been detected at concentrations between 2.6

mg/l (NA-SB-21) and 4.4 mg/l (NA-SB-06) in groundwater samples from the North Airport and at concentrations between 1.1 mg/l (NK-SB-315) and 54.8 mg/l (NK-SB-93) in the North Klondike.

4.2.4 Distribution of Polychlorinated Biphenyls

PCBs were not detected in any of the groundwater samples collected from the North Airport or North Klondike areas.

4.3 Evaluation of Results

Based on the presence of VOCs in the groundwater collected from monitoring wells, there is evidence that a release has occurred in the X-430 Area near the steel tank and in the X-401 Area near the dry wells. Based on the presence of VOCs in the groundwater collected with the Geoprobe® screen-point sampler, there is evidence that a release has occurred in the X-430 Area near the steel tank, in the X-401 Area near the dry wells, in the X-415 Area near the Boiler Room AGT, and in the X-312 Area near the former tank farm. The degree and extent of the release is still being characterized in the vicinity of these units.

The data were compared against the default numeric criteria included in the Connecticut Remediation Standard Regulation (RSR). Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. A qualitative evaluation was performed because characterization of the identified contamination has not been completed. The intent of the comparison is not to show compliance with the RSR, but rather to give a general perspective regarding the magnitude of contamination detected. The qualitative evaluation of the groundwater data is based on a comparison to the surface water protection criteria (SWPC) and the residential and industrial/commercial volatilization criteria included in the RSR.

No exceedances of the residential volatilization criteria were noted for groundwater samples collected in the North Airport and the North Klondike Areas.

For the VOCs detected in groundwater in the North Airport Area, no exceedances of the default numeric surface water protection criteria and the residential and industrial/commercial volatilization criteria in the RSR were noted. For the VOCs detected in groundwater in the North Klondike Area, two exceedances of the surface water protection criteria of 88 µg/l were noted for tetrachloroethylene (PCE) (94 µg/l in NK-SB-24 and 110 µg/l in NK-SB80).

Historically, PCE has been detected above the surface water protection criterion in wells NK-MW-03 and NK-MW-04, as shown on Table 5. Also, 1,1,2,2-tetrachloroethane was reported to be above the surface water protection criterion of 110 µg/l in well NK-MW-04; however, the concentration was reported as co-eluting with PCE and the actual concentration is likely to be much less than the PCE.

A single SVOC, benzo[b]fluoranthene, was detected in NA-SB-57 (1.2 µg/l) above the default numeric surface water protection criteria of 1 µg/l.

For the metals detected in groundwater, arsenic, cadmium, lead, nickel and zinc were detected in excess of the default numeric surface water protection criteria. Arsenic was detected in monitoring well NK-MW-17 at a concentration of 0.0051 mg/l, above the standard of 0.004 mg/l. Cadmium was detected in NA-SB-09 at a concentration of 0.0202 mg/l, above the standard of 0.006 mg/l. Lead was detected in NA-SB-06 (0.0135 mg/l), NK-MW-17 (0.0272 mg/l), NK-SB-341 (0.0181 mg/l) and NK-SB-342 (0.0657 mg/l), above the standard of 0.013 mg/l. Nickel was detected in NK-SB-19 at a concentration of 2.486 mg/l, above the standard of 0.88 mg/l. Zinc was detected above the surface water protection criterion of 0.123 mg/l in NA-MW-07 (0.140J mg/l), NK-MW-16 (0.125 mg/l), NK-MW-17 (0.143 mg/l), NA-SB-09 (0.641 mg/l), NA-SB-29 (0.196 mg/l), NA-SB-38 (0.254 mg/l), NK-SB-16 (0.156 mg/l), NK-SB-17 (0.299 mg/l), NK-SB-73 (0.192 mg/l), NK-SB-341 (0.300L mg/l), and NK-SB-342 (0.180 mg/l).

ATTACHMENT A

Analytical Results - November 1997 Groundwater Sampling Event

ATTACHMENT B

**Analytical Results
QA/QC Equipment Blank and Trip Blank Samples
November 1997 Groundwater Sampling Event**

Table 1
SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

Page 1 of 23

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NA-MW-01	03011111491	11/15/91	5.3	15.3	GW	x						x		
NA-MW-01	03011060992	06/10/92	5.3	15.3	GW	x						x		
NA-MW-01	1011995	03/19/96	5.3	15.3	GW		x							
NA-MW-01	1016642	08/06/96	5.3	15.3	GW		x					x		x
NA-MW-01	1016643	08/06/96	5.3	15.3	GW		x					x		x
NA-MW-01	1647387	11/20/97	5.3	15.3	GW							x		
NA-MW-02	03021111491	11/15/91	4.8	14.8	GW	x						x		
NA-MW-02	03021060992	06/10/92	4.8	14.8	GW	x						x		
NA-MW-02	1011996	03/19/96	4.8	14.8	GW		x							x
NA-MW-02	1016644	08/06/96	4.8	14.8	GW		x					x		
NA-MW-02	1634441	06/02/97	4.8	14.8	GW							x		
NA-MW-02	1647386	11/20/97	4.8	14.8	GW							x		
NA-MW-03	03031111491	11/15/91	4.5	14.5	GW	x						x		
NA-MW-03	03031060992	06/10/92	4.5	14.5	GW	x						x		
NA-MW-03	1011987	03/19/96	4.5	14.5	GW		x							
NA-MW-03	1011988	03/19/96	4.5	14.5	GW		x							
NA-MW-03	1016647	08/06/96	4.5	14.5	GW		x					x		x
NA-MW-03	1634438	06/02/97	4.5	14.5	GW							x		
NA-MW-03	1634439	06/02/97	4.5	14.5	GW							x		
NA-MW-03	1647384	11/20/97	4.5	14.5	GW							x		
NA-MW-04	03041111491	11/15/91	10.3	20.3	GW	x						x		
NA-MW-04	03041060992	06/10/92	10.3	20.3	GW	x						x		
NA-MW-04	1011991	03/19/96	10.3	20.3	GW		x							x
NA-MW-04	1016645	08/06/96	10.3	20.3	GW		x					x		x
NA-MW-04	1634440	06/02/97	10.3	20.3	GW							x		
NA-MW-04	1647385	11/20/97	10.3	20.3	GW		x					x		x
NA-MW-05	1026976	02/26/97	2.3	11.3	GW		x		x			x		x
NA-MW-05	1634443	06/02/97	2.3	11.3	GW		x					x		x
NA-MW-05	1647307	11/18/97	2.3	11.3	GW		x							x
NA-MW-05	1647327	11/19/97	2.3	11.3	GW							x		
NA-MW-06	1026977	02/26/97	2.0	11.0	GW		x		x			x		x
NA-MW-06	1634442	06/02/97	2.0	11.0	GW		x					x		x

Notes: 1. Legend: X - Analysed, at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 04/06/98

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Table 1
SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NA-MW-06	1647308	11/18/97	2.0	11.0	GW		x						x	
NA-MW-06	1647328	11/19/97	2	11	GW							x		
NA-MW-07	1026978	02/26/97	2.3	11.3	GW		x	x				x	x	
NA-MW-07	1634444	06/02/97	2.3	11.3	GW		x					x	x	
NA-MW-07	1647309	11/18/97	2.3	11.3	GW		x						x	
NA-MW-07	1647310	11/18/97	2.3	11.3	GW		x						x	
NA-MW-07	1647329	11/19/97	2.3	11.3	GW							x		
NA-SB-06	1020274	10/29/96	6.5	8.5	GW		x					x	x	
NA-SB-09	1020273	10/29/96	6.5	8.5	GW		x					x	x	
NA-SB-12	1020272	10/29/96	6.5	8.5	GW		x					x	x	
NA-SB-15	1020270	10/29/96	6	8	GW		x					x	x	
NA-SB-16	1020271	10/29/96	6	8	GW		x					x	x	
NA-SB-18	1020269	10/29/96	5.5	7.5	GW		x					x	x	
NA-SB-19	1026483	02/21/97	4	7	GW		x	x				x	x	
NA-SB-21	1026484	02/21/97	4	7	GW		x	x				x	x	
NA-SB-24	1026482	02/21/97	4	7	GW		x	x				x	x	
NA-SB-29	1026487	02/21/97	4	7	GW		x	x				x	x	
NA-SB-30	1026485	02/21/97	4	7	GW		x	x				x	x	
NA-SB-32	1026486	02/21/97	4	7	GW		x	x				x	x	
NA-SB-36	1026981	02/26/97	5	8	GW		x	x				x	x	
NA-SB-38	1026982	02/26/97	11	14	GW		x	x				x	x	
NA-SB-40	1026980	02/26/97	5	8	GW		x	x				x	x	
NA-SB-41	1026979	02/26/97	5	8	GW		x	x				x	x	
NA-SB-43	1634262	06/04/97	4	7	GW							x		
NA-SB-49	1634261	06/04/97	4	7	GW							x		
NA-SB-50	1634263	06/04/97	4	7	GW							x		
NA-SB-51	1634264	06/04/97	4	7	GW							x		
NA-SB-52	1634265	06/04/97	5	8	GW							x		
NA-SB-53	1634266	06/04/97	5	8	GW							x		
NA-SB-54	1634267	06/04/97	5	8	GW							x		
NA-SB-55	1640105	08/05/97	7	10	GW		x	x				x	x	
NA-SB-57	1640104	08/05/97	7	10	GW		x	x				x	x	
NA-SB-60	1640103	08/05/97	7	10	GW		x	x				x	x	

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Table 1
SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NA-SB-62	1640102	08/05/97	7	10	GW		x	x				x		x
NK-GP-01	1016949	01/01/93			GW	x								
NK-GP-02	1016950	01/01/93			GW	x								
NK-GP-03	1016951	01/01/93			GW	x								
NK-GP-04	1016952	01/01/93			GW	x								
NK-GP-05	1016953	01/01/93			GW	x								
NK-GP-06	1016954	01/01/93			GW	x								
NK-GP-07	1016955	01/01/93			GW	x								
NK-GP-08	1016956	01/01/93			GW	x								
NK-GP-09	1016957	01/01/93			GW	x								
NK-GP-10	1016958	01/01/93			GW	x								
NK-GP-11	1016959	01/01/93			GW	x								
NK-GP-12	1016960	01/01/93			GW	x								
NK-GP-13	1016961	01/01/93			GW	x								
NK-GP-14	1016962	01/01/93			GW	x								
NK-GP-15	1016963	01/01/93			GW	x								
NK-GP-16	1016964	01/01/93			GW	x								
NK-GP-17	1016965	01/01/93			GW	x								
NK-GP-18	1016966	01/01/93			GW	x								
NK-GP-19	1016967	01/01/93			GW	x								
NK-GP-20	1016968	01/01/93			GW	x								
NK-GP-21	1016969	01/01/93			GW	x								
NK-GP-22	1016970	01/01/93			GW	x								
NK-GP-23	1016971	01/01/93			GW	x								
NK-MW-01	CAS 1030790	03/07/90	7.00	12.00	GW		x							
NK-MW-01	31390090550	09/05/90	7.00	12.00	GW		x	x					x	
NK-MW-01	1016661	08/07/96	7.0	12.0	GW		x					x		x
NK-MW-01	1634446	06/02/97	7.0	12.0	GW								x	
NK-MW-01	1634448	06/03/97	7.0	12.0	GW		x						x	
NK-MW-01	1647364	11/24/97	7.0	12.0	GW								x	
NK-MW-02	CAS 4030790	03/07/90	5.00	10.00	GW		x							x
NK-MW-02	31390090553	09/05/90	5.0	10.0	GW		x	x						x
NK-MW-02	31390112028	11/20/90	5.0	10.0	GW		x	x					x	x

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SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-MW-02	31391022204	02/22/91	5.0	10.0	GW		x					x		x
NK-MW-02	1016650	08/06/96	5.0	10.0	GW		x					x		x
NK-MW-02	1634465	06/03/97	5.0	10.0	GW							x		
NK-MW-02	1647335	11/19/97	5.0	10.0	GW							x		
NK-MW-03	CAS 7030790	03/07/90	7.0	12.0	GW		x							
NK-MW-03	31390090556	09/05/90	7.0	12.0	GW		x	x						x
NK-MW-03	31390112031	11/20/90	7.0	12.0	GW		x	x						x
NK-MW-03	31391022207	02/22/91	7.0	12.0	GW		x							x
NK-MW-03	30291052901	05/29/91	7.0	12.0	GW		x							x
NK-MW-03	01031111391	11/14/91	7.0	12.0	GW		x					x		
NK-MW-03	01031060992	06/10/92	7.0	12.0	GW	x						x		
NK-MW-03	1016653	08/06/96	7.0	12.0	GW		x					x		x
NK-MW-03	1634469	06/03/97	7.0	12.0	GW		x					x		
NK-MW-03	1647332	11/19/97	7.0	12.0	GW							x		
NK-MW-04	CAS 8030790	03/07/90	7.00	12.00	GW		x							
NK-MW-04	31390090557	09/05/90	7.0	12.0	GW		x	x						x
NK-MW-04	31390112032	11/20/90	7.0	12.0	GW		x	x						x
NK-MW-04	31391022208	02/22/91	7.0	12.0	GW		x							x
NK-MW-04	30291052902	05/29/91	7.0	12.0	GW		x							x
NK-MW-04	01041111391	11/14/91	7.0	12.0	GW	x						x		
NK-MW-04	01041060992	06/10/92	7.0	12.0	GW	x						x		
NK-MW-04	1016651	08/06/96	7.0	12.0	GW		x					x		x
NK-MW-04	1634466	06/03/97	7.0	12.0	GW		x					x		
NK-MW-04	1647334	11/19/97	7.0	12.0	GW		x					x		
NK-MW-05	CAS 3030790	03/07/90	4.00	9.00	GW		x							
NK-MW-05	31390090552	09/05/90	4.0	9.0	GW		x	x						x
NK-MW-05	31390112027	11/20/90	4.0	9.0	GW		x	x						x
NK-MW-05	31391022203	02/22/91	4.0	9.0	GW		x							x
NK-MW-06	01061111391	11/14/91	4.0	11.5	GW	x						x		
NK-MW-06	01061060992	06/10/92	4.0	11.5	GW	x						x		
NK-MW-06	1016658	08/07/96	4.0	11.5	GW		x					x		x
NK-MW-06	1634476	06/03/97	4.0	11.5	GW							x		
NK-MW-06	1647389	11/20/97	4	11.5	GW							x		

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-MW-07	01071111391	11/14/91	5.0	12.5	GW	x						x		
NK-MW-07	01071060992	06/10/92	5.0	12.5	GW	x						x		
NK-MW-07	1016660	08/07/96	5.0	12.5	GW		x					x		x
NK-MW-07	1634489	06/04/97	5.0	12.5	GW		x					x		
NK-MW-07	1647390	11/20/97	5	12.5	GW		x					x		
NK-MW-08	01081101392	10/13/92	4.0	11.0	GW		x	x			x	x		
NK-MW-08	1016648	08/06/96	4.0	11.0	GW		x					x		x
NK-MW-08	1634471	06/03/97	4.0	11.0	GW							x		
NK-MW-08	1647336	11/19/97	4.0	11.0	GW		x					x		
NK-MW-09	01091101392	10/13/92	4.0	11.0	GW		x	x			x	x		
NK-MW-09	13011101392	10/13/92	4.0	11.0	GW		x	x			x	x		
NK-MW-09	1016659	08/07/96	4.0	11.0	GW		x					x		x
NK-MW-09	1634472	06/03/97	4.0	11.0	GW		x					x		
NK-MW-09	1634503	06/06/97	4.0	11.0	GW							x		
NK-MW-09	1647394	11/20/97	4.5	9.5	GW		x					x		
NK-MW-10	01101101392	10/13/92	3.5	10.5	GW		x	x			x	x		
NK-MW-10	1016649	08/06/96	3.5	10.5	GW		x					x		x
NK-MW-10	1634470	06/03/97	3.5	10.5	GW		x					x		
NK-MW-10	1647395	11/20/97	3.5	10.5	GW		x					x		
NK-MW-11	1016641	08/05/96	0.0		GW		x					x		x
NK-MW-11	1634473	06/03/97	0.0		GW		x					x		
NK-MW-11	1647393	11/20/97			GW		x					x		
NK-MW-12	01091052593	05/25/93	4.5	9.5	GW		x	x				x		
NK-MW-12	1016638	08/05/96	4.5	9.5	GW		x					x		x
NK-MW-12	1634462	06/03/97	4.5	9.5	GW		x					x		
NK-MW-12	1647392	11/20/97	4.5	9.5	GW		x					x		
NK-MW-13	01101052593	05/25/93	5.0	15.0	GW		x	x				x		
NK-MW-13	1016639	08/05/96	5.0	15.0	GW		x					x		x
NK-MW-13	1634463	06/03/97	5.0	15.0	GW		x					x		
NK-MW-13	1647391	11/20/97	5	15	GW		x					x		
NK-MW-14	01111052693	05/26/93	5.0	10.0	GW		x	x				x		
NK-MW-14	1016655	08/07/96	5.0	10.0	GW		x					x		x
NK-MW-14	1016656	08/07/96	5.0	10.0	GW		x					x		x

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-MW-14	1647398	11/20/97	4.5	9.5	GW							X		
NK-MW-14S	1634464	06/03/97			GW							X		
NK-MW-15	01121052593	05/25/93	2.0	12.0	GW		X	X				X		
NK-MW-15	1016662	08/07/96	2.0	12.0	GW		X					X	x	
NK-MW-15	1634449	06/03/97	2.0	12.0	GW							X		
NK-MW-15	1647365	11/24/97	2.0	12.0	GW							X		
NK-MW-16	01131052693	05/26/93	3.5	13.5	GW		X	X				X		
NK-MW-16	1016652	08/06/96	3.5	13.5	GW		X					X	x	
NK-MW-16	1634467	06/03/97	3.5	13.5	GW							X		
NK-MW-16	1647333	11/19/97	3.5	13.5	GW		X					X		
NK-MW-17	01141052593	05/25/93	4.0	9.0	GW		X	X				X		
NK-MW-17	1021036	11/04/96	4.0	9.0	GW		X					X	x	
NK-MW-17	1634474	06/03/97	4.0	9.0	GW		X					X		
NK-MW-17	1634475	06/03/97	4.0	9.0	GW		X					X		
NK-MW-17	1647388	11/20/97	4.0	9.0	GW		X					X		
NK-MW-18	1016668	08/07/96	1.7	10.7	GW		X	X	X	X	X	X	x	
NK-MW-18	1634468	06/03/97	1.7	10.7	GW		X					X		
NK-MW-18	1647311	11/18/97	1.7	10.7	GW		X							
NK-MW-18	1647331	11/19/97	1.7	10.7	GW							X		
NK-MW-19	1016640	08/05/96	1.7	10.7	GW		X					X	x	
NK-MW-19	1634493	06/05/97	1.7	10.7	GW							X		
NK-MW-19	1647330	11/19/97	1.7	10.7	GW							X		
NK-SB-12	1015676	07/03/96	5	7	GW		X					X	x	
NK-SB-13	1015675	07/03/96	5	7	GW		X					X	x	
NK-SB-14	1015674	07/03/96	5	7	GW		X					X	x	
NK-SB-15	1015672	07/03/96	5	7	GW		X					X	x	
NK-SB-16	1015671	07/03/96	5	7	GW		X					X	x	
NK-SB-17	1015669	07/03/96	5	7	GW		X					X	x	
NK-SB-18	1015677	07/09/96	5	7	GW		X					X	x	
NK-SB-19	1015678	07/09/96	5	7	GW		X					X	x	
NK-SB-20	1015679	07/09/96	5	7	GW		X					X	x	
NK-SB-200	1018900	10/14/96	3.5	8.5	GW		X	X						
NK-SB-204	1019262	10/15/96	6	8	GW		X	X					x	

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2. Printed on 04/06/98

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Table 1
SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-208	1019263	10/16/96	7	9	GW							X		
NK-SB-209	1019264	10/16/96	7	9	GW							X		
NK-SB-21	1018204	09/12/96	8	10	GW		X					X	x	
NK-SB-210	1019265	10/16/96	4.5	6.5	GW							X		
NK-SB-214	1021133	11/12/96	5.0	7.0	GW		X	x				X	x	
NK-SB-215	1021130	11/11/96	12	14	GW		x	x				X	x	
NK-SB-217	1021132	11/11/96	6	8	GW		x	x				X	x	
NK-SB-218	1021131	11/11/96	9.5	11.5	GW		x	x				X	x	
NK-SB-22	1018203	09/12/96	9	11	GW		X					X	x	
NK-SB-225	1021833	12/16/96	10.0	12.0	GW		X	x					X	
NK-SB-226	1021834	12/16/96	10.0	12.0	GW		X	x					X	
NK-SB-227	1021835	12/16/96	10.0	12.0	GW		X	x					x	
NK-SB-229	1021832	12/16/96	10.0	12.0	GW		x	x					x	
NK-SB-23	1018202	09/12/96	9	11	GW		X					X	x	
NK-SB-232	1024565	01/15/97	8.0	9.0	GW		x	x				X	x	
NK-SB-234	1024566	01/15/97	8.0	10.0	GW		x	x				X	x	
NK-SB-236	1024567	01/15/97	8.0	10.0	GW		x	x				X	x	
NK-SB-239	1024568	01/15/97	8.0	10.0	GW		x	x				X	x	
NK-SB-24	1018201	09/12/96	9	11	GW		X					X	x	
NK-SB-247	1025838	01/24/97	8.0	9.5	GW		x							
NK-SB-248	1025839	01/24/97	8.5	9.0	GW		x							
NK-SB-249	1025840	01/24/97	8.5	9.0	GW		x							
NK-SB-250	1025737	01/29/97	4.0	6.0	GW		x	x					x	
NK-SB-251	1025738	01/29/97	4.0	6.0	GW		x	x					x	
NK-SB-252	1025739	01/29/97	5.0	7.0	GW		x	x					x	
NK-SB-255	1025736	01/29/97	5.0	10.0	GW		x	x					x	
NK-SB-256	1027121	03/04/97	6	7	GW		x	x					x	
NK-SB-257	1027122	03/04/97	5	6	GW		x	x					x	
NK-SB-258	1027123	03/04/97	4	7	GW		x	x					x	
NK-SB-259	1027124	03/04/97	5	6	GW		x	x					x	
NK-SB-26	1018200	09/12/96	7	9	GW		X					X	x	
NK-SB-260	1027131	03/07/97	6.0	7.0	GW		x	x					x	
NK-SB-261	1027132	03/07/97	6.0	7.0	GW		x	x					x	

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-262	1027133	03/07/97	6.0	7.0	GW		x	x						x
NK-SB-263	1027134	03/07/97	6.0	7.0	GW		x	x						x
NK-SB-268	1027281	03/05/97	5	6	GW		x	x				x		x
NK-SB-269	1027282	03/05/97	5	6	GW		x	x				x		x
NK-SB-270	1027283	03/05/97	5.0	6.0	GW		x	x				x		x
NK-SB-271	1027284	03/05/97	5	6	GW		x	x				x		x
NK-SB-305	1634218	05/29/97	4.0	6.0	GW		x							
NK-SB-305	1634219	05/29/97	4.0	6.0	GW		x							
NK-SB-305	1634220	05/29/97	10	12	GW		x							
NK-SB-306	1634221	05/29/97	4.0	6.0	GW		x							
NK-SB-306	1634222	05/29/97	10	12	GW		x							
NK-SB-307	1634223	05/29/97	4.0	6.0	GW		x							
NK-SB-307	1634224	05/29/97	10	12	GW		x							
NK-SB-308	1634225	05/29/97	5.0	7.0	GW		x							
NK-SB-308	1634226	05/29/97	10	12	GW		x							
NK-SB-309	1634227	05/29/97	5	7	GW		x							
NK-SB-309	1634228	05/29/97	10	12	GW		x							
NK-SB-311	1634648	06/12/97	8	12	GW		x	x						x
NK-SB-312	1634649	06/12/97	8	12	GW		x	x						x
NK-SB-314	1634646	06/12/97	8	12	GW		x	x						x
NK-SB-315	1634613	06/06/97	5	8	GW		x	x						x
NK-SB-316	1634610	06/06/97	5	8	GW		x	x						x
NK-SB-317	1634611	06/06/97	5	8	GW		x	x						x
NK-SB-318	1634612	06/06/97	5	8	GW		x	x						x
NK-SB-319	1634647	06/12/97	8	12	GW		x	x						x
NK-SB-324	1634644	06/12/97	8	12	GW		x	x						x
NK-SB-326	1634645	06/12/97	8	12	GW		x	x						x
NK-SB-341	1638020	07/16/97	4	8	GW		x					x		
NK-SB-342	1638021	07/16/97	4	8	GW		x					x		
NK-SB-39	1016391	07/23/96	5	7	GW		x	x				x		x
NK-SB-46	1017205	08/13/96	9.5	10.5	GW	x	x					x		x
NK-SB-47	1017207	08/13/96	9.5	10.5	GW	x	x					x		x
NK-SB-48	1017210	08/14/96	9.5	10.5	GW	x						x		

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-49	1017213	08/14/96	9.5	10.5	GW	X						x		
NK-SB-50	1017215	08/15/96	9.5	10.5	GW	X								
NK-SB-65	1018680	10/01/96	6	8	GW							x		
NK-SB-66	1018644	10/01/96	6	8	GW							x		
NK-SB-66	1018645	10/01/96	6	8	GW							x		
NK-SB-67	1018643	10/01/96	6	8	GW							x		
NK-SB-71	1018681	10/01/96	6	8	GW							x		
NK-SB-72	1018683	10/02/96	6	8	GW							x		
NK-SB-73	1018642	10/01/96	6	8	GW							x		
NK-SB-74	1018673	10/03/96	10	12	GW		x					x		x
NK-SB-79	1018674	10/03/96	10	12	GW		x					x		x
NK-SB-80	1018675	10/03/96	10.0	12.0	GW		x					x		x
NK-SB-88	1018894	10/07/96	6	8	GW		x	x						x
NK-SB-90	1018895	10/08/96	6	8	GW		x	x						x
NK-SB-91	1018896	10/08/96	6	8	GW		x	x						x
NK-SB-93	1018897	10/09/96	6	8	GW		x	x						x
NK-SB-94	1018898	10/09/96	6	8	GW		x	x						x
NK-SB-95	1018899	10/09/96	6	8	GW		x	x						x
SA-MW-01	CAS 2030790	03/07/90	13.00	18.00	GW		x							
SA-MW-01	31390090551	09/05/90	13.00	18.00	GW		x	x						x
SA-MW-01	31390112026	11/20/90	13.00	18.00	GW		x	x				x		x
SA-MW-01	31391022202	02/22/91	13.00	18.00	GW		x					x		x
SA-MW-01	1011985	03/19/96	13.00	18.00	GW		x							
SA-MW-01	1018194	09/12/96	13.00	18.00	GW		x					x		x
SA-MW-01	1634437	06/02/97	13.0	18.0	GW		x					x		
SA-MW-01	1647313	11/18/97	13.0	18.0	GW		x							
SA-MW-01	1647326	11/19/97	13	18	GW							x		
SA-MW-02I	CAS11030790	03/07/90	15.00	25.00	GW		x							
SA-MW-02I	31390090561	09/05/90	15.00	25.00	GW		x	x						x
SA-MW-02I	31390112144	11/21/90	15.00	25.00	GW		x	x						x
SA-MW-02I	31391022212	02/22/91	15.00	25.00	GW		x							x
SA-MW-02I	1011983	03/19/96	15.0	25.0	GW		x							
SA-MW-02I	1018191	09/12/96	15.00	25.00	GW		x					x		x

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SA-MW-02I	1018192	09/12/96	15.0	25.0	GW		X					X		X
SA-MW-02I	1634496	06/05/97	15.0	25.0	GW		x	x				X		x
SA-MW-02I	1647316	11/18/97	15.0	25.0	GW		x	x						x
SA-MW-02I	1647324	11/19/97	15.0	25.0	GW								X	
SA-MW-03	04031111491	11/15/91	10.00	20.00	GW	x							X	
SA-MW-03	04031060992	06/10/92	10.00	20.00	GW	x							X	
SA-MW-03	1011984	03/19/96	10.00	20.00	GW		x							
SA-MW-03	1018193	09/12/96	10.00	20.00	GW		x					X		x
SA-MW-03	1634436	06/02/97	10.0	20.0	GW								X	
SA-MW-03	1647325	11/19/97	10	20	GW								x	
SA-MW-04	04041111491	11/15/91	7.50	17.50	GW	x							X	
SA-MW-04	04041060992	06/10/92	7.50	17.50	GW	x							X	
SA-MW-04	1011982	03/18/96	7.50	17.50	GW		x							
SA-MW-04	1018190	09/12/96	7.50	17.50	GW		x					X		x
SA-MW-04	1634497	06/05/97	7.5	17.5	GW			x				X		x
SA-MW-04	1647320	11/19/97	7.5	17.5	GW			x				X		x
SA-MW-05	04051060992	06/10/92			GW	x							X	
SA-MW-05	04052060992	06/10/92			GW	x							X	
SA-MW-05I	04052111491	11/15/91	13.50	23.50	GW	x							X	
SA-MW-05I	1018189	09/12/96	13.50	23.50	GW		x						X	
SA-MW-05I	1634505	06/06/97	13.5	23.5	GW		x						x	
SA-MW-05I	1647322	11/19/97	13.5	23.5	GW		x						X	
SA-MW-05I	1647323	11/19/97	13.5	23.5	GW		x						x	
SA-MW-05S	04051111491	11/15/91	4.50	14.50	GW	x							X	
SA-MW-05S	1011981	03/18/96	4.5	14.5	GW		x							
SA-MW-05S	1018188	09/12/96	4.50	14.50	GW		x						X	
SA-MW-05S	1634504	06/06/97	4.5	14.5	GW		x						x	
SA-MW-05S	1647321	11/19/97	4.5	14.5	GW		x						x	
SA-SB-102	1635863	06/26/97	10.5	14	GW		x	x				X	x	x
SA-SB-104	1635864	06/26/97	10.5	14	GW		x	x				X	x	x
SA-SB-105	1635865	06/26/97	10.5	14	GW		x	x				X	x	x
SA-SB-107	1635866	06/27/97	11	14	GW		x	x				X		x
SA-SB-109	1635867	06/27/97	11	14	GW		x	x				X	x	x

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Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SA-SB-142	1638931	07/11/97	4	9	GW		x	x			x			x
SA-SB-144	1638932	07/11/97	4	9	GW		x	x			x			x
SA-SB-145	1638974	07/14/97	4	8	GW		x	x			x			x
SA-SB-146	1638933	07/11/97	4	9	GW		x	x			x			x
SA-SB-150	1638934	07/11/97	4	9	GW		x	x			x			x
SA-SB-153	1638973	07/14/97	4	8	GW		x	x			x			x
SA-SB-154	1638786	07/21/97	9	12	GW		x	x						x
SA-SB-158	1638787	07/21/97	9	12	GW		x	x						x
SA-SB-161	1638783	07/21/97	8	11	GW		x	x						x
SA-SB-162	1638784	07/21/97	9	12	GW		x	x						x
SA-SB-162	1638785	07/21/97	9.0	12.0	GW		x	x						x
SA-SB-30	1021127	11/11/96	10.5	12.5	GW		x	x				x		x
SA-SB-34	1021129	11/11/96	10.5	12.5	GW		x					x		x
SA-SB-35	1021128	11/11/96	10.5	12.5	GW		x					x		x
SA-SB-42	1023139	12/09/96	10	12	GW		x	x			x			x
SA-SB-45	1023140	12/09/96	10	12	GW		x	x			x			x
SA-SB-47	1023138	12/09/96	10	12	GW		x	x			x			x
SA-SB-49	1023135	12/09/96	10	12	GW		x	x			x			x
SA-SB-50	1023136	12/09/96	10	12	GW		x	x			x			x
SA-SB-55	1023137	12/09/96	10	12	GW		x	x			x			x
SA-SB-66	1023132	12/06/96	10	12	GW		x	x						x
SA-SB-69	1023131	12/06/96	10	12	GW		x	x						x
SA-SB-70	1023130	12/06/96	10	12	GW		x	x						x
SA-SB-71	1023129	12/06/96	9	11	GW		x	x						x
SA-SB-79	1023992	01/15/97	9.0	11.0	GW		x	x			x	x		x
SA-SB-82	1023995	01/15/97	10.0	12.0	GW		x	x			x	x		x
SA-SB-84	1023994	01/15/97	10.0	12.0	GW		x	x			x	x		x
SA-SB-87	1023993	01/15/97	10.0	12.0	GW		x	x			x	x		x
SA-SB-88	1635855	06/25/97	10.5	14	GW		x	x			x	x		x
SA-SB-91	1635856	06/25/97	10.5	14	GW		x	x			x	x		x
SA-SB-95	1635857	06/25/97	10.5	14	GW		x	x			x	x		x
SA-SB-97	1635860	06/26/97	10.5	14	GW		x	x			x	x		x
SA-SB-99	1635861	06/26/97	10.5	14	GW		x	x			x	x		x

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Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SA-SB-99	1635862	06/26/97	10.5	14.0	GW		X	X			X	X		X
SK-GP-01	1016805	04/29/93			GW	X								
SK-GP-01	1016806	05/01/93			GW	X								
SK-GP-01	1016972	06/01/93			GW	X								
SK-GP-01	1016973	06/01/93			GW		X							
SK-GP-02	1016808	04/29/93			GW	X								
SK-GP-02	1016809	05/01/93			GW	x								
SK-GP-03	1016810	04/29/93			GW	X								
SK-GP-03	1016811	05/01/93			GW	X								
SK-GP-03	1016974	06/01/93			GW	X								
SK-GP-03	1016975	06/01/93			GW		X							
SK-GP-04	1016813	04/29/93			GW	x								
SK-GP-05	1016814	04/29/93			GW	x								
SK-GP-05	1016976	06/01/93			GW	X								
SK-GP-05	1016977	06/01/93			GW		X							
SK-GP-06	1016817	04/29/93			GW	X								
SK-GP-06	1016818	06/01/93			GW	X								
SK-GP-07	1016819	04/29/93			GW	X								
SK-GP-07	1016820	05/28/93			GW	X								
SK-GP-07	1016821	06/01/93			GW	X								
SK-GP-08	1016822	04/29/93			GW	X								
SK-GP-08	1016823	05/28/93			GW	X								
SK-GP-08	1016824	06/01/93			GW	x								
SK-GP-09	1016825	04/29/93			GW	X								
SK-GP-10	1016826	04/29/93			GW	X								
SK-GP-11	1016827	04/29/93			GW	X								
SK-GP-11	1016828	06/01/93			GW	X								
SK-GP-12	1016829	04/29/93			GW	X								
SK-GP-12	1016830	06/01/93			GW	X								
SK-GP-13	1016831	04/29/93			GW	x								
SK-GP-14	1016832	04/29/93			GW	x								
SK-GP-15	1016833	04/29/93			GW	x								
SK-GP-16	1016834	04/29/93			GW	X								

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SK-GP-17	1016835	04/29/93			GW	X								
SK-GP-18	1016836	04/29/93	9.5	14.5	GW	X								
SK-GP-18	1016978	06/01/93			GW	X								
SK-GP-18	1016979	06/01/93			GW		X							
SK-GP-18	1016837	06/01/93	9.5	14.5	GW	X								
SK-GP-19	1016839	04/29/93			GW	X								
SK-GP-19	1016840	06/01/93			GW	X								
SK-GP-19	1016980	06/01/93			GW	X								
SK-GP-19	1016981	06/01/93			GW		X							
SK-GP-20	1016842	04/29/93			GW	X								
SK-GP-21	1016843	04/29/93			GW	X								
SK-GP-22	1016844	04/29/93			GW	X								
SK-GP-23	1016846	04/29/93			GW	X								
SK-GP-23	1016845	06/01/93			GW	X								
SK-GP-24	1016847	04/29/93			GW	X								
SK-GP-25	1016848	04/30/93			GW	X								
SK-GP-25	1016849	06/01/93			GW	x								
SK-GP-26	1016850	04/30/93			GW	X								
SK-GP-26	1016851	06/01/93			GW	x								
SK-GP-27	1016852	04/30/93			GW	X								
SK-GP-27	1016853	06/01/93			GW	X								
SK-GP-27	1016854	06/01/93			GW	X								
SK-GP-28	1016855	04/30/93			GW	X								
SK-GP-28	1016856	06/01/93			GW	X								
SK-GP-29	1016857	05/25/93	3	5	GW	x								
SK-GP-29	1016858	05/25/93	11	13	GW	X								
SK-GP-30	1016859	05/25/93	3	5	GW	x								
SK-GP-30	1016860	05/25/93	13	15	GW	X								
SK-GP-31	1016861	05/25/93	6	8	GW	x								
SK-GP-31	1016862	05/25/93	13	15	GW	X								
SK-GP-32	1016863	05/25/93	6	8	GW	x								
SK-GP-32	1016864	05/25/93	11.5	13.5	GW	X								
SK-GP-33	1016865	05/25/93	6	8	GW	X								

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-GP-33	1016866	05/25/93	12	14	GW	X								
SK-GP-34	1016867	05/25/93	6	8	GW	X								
SK-GP-34	1016868	05/25/93	12	14	GW	X								
SK-GP-35	1016869	05/26/93	6	8	GW	X								
SK-GP-35	1016870	05/26/93	13	15	GW	X								
SK-GP-36	1016871	05/26/93	6	8	GW	X								
SK-GP-36	1016872	05/26/93	13	15	GW	X								
SK-GP-37	1016873	05/26/93	6	8	GW	X								
SK-GP-37	1016874	05/26/93	14	16	GW	X								
SK-GP-38	1016875	05/26/93	6	8	GW	X								
SK-GP-38	1016876	05/26/93	12	14	GW	X								
SK-GP-39	1016877	05/26/93	6	8	GW	X								
SK-GP-39	1016878	05/26/93	13	15	GW	X								
SK-GP-40	1016879	05/26/93	6	8	GW	X								
SK-GP-40	1016880	05/26/93	13	18	GW	X								
SK-GP-41	1016881	05/26/93	6	8	GW	X								
SK-GP-41	1016882	05/26/93	6	8	GW	X								
SK-GP-41	1016884	05/26/93	13	15	GW	X								
SK-GP-41	1016982	06/01/93			GW	X								
SK-GP-41	1016983	06/01/93			GW		X							
SK-GP-42	1016885	05/26/93	6	8	GW	X								
SK-GP-42	1016886	05/26/93	6	8	GW	X								
SK-GP-42	1016984	05/26/93	6	8	GW	X								
SK-GP-42	1016985	05/26/93	6	8	GW		X							
SK-GP-42	1016888	05/26/93	12	14	GW	X								
SK-GP-42	1016889	05/26/93	12	14	GW	X								
SK-GP-42	1016986	05/26/93	12	14	GW	X								
SK-GP-42	1016987	05/26/93	12	14	GW		X							
SK-GP-43	1016891	05/26/93	6	8	GW	X								
SK-GP-43	1016892	05/26/93	12.5	14.5	GW	X								
SK-GP-44	1016893	05/26/93	6	8	GW	X								
SK-GP-44	1016894	05/26/93	12	14	GW	X								
SK-GP-45	1016896	05/26/93	6	8	GW	X								

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-GP-45	1016897	05/26/93	14	16	GW	X								
SK-GP-46	1016988	05/26/93	6	8	GW	X								
SK-GP-46	1016989	05/26/93	6	8	GW	X								
SK-GP-46	1016898	05/27/93	6	8	GW	X								
SK-GP-46	1016899	05/27/93	6	8	GW	X								
SK-GP-46	1016901	05/27/93	6	8	GW		X							
SK-GP-46	1016902	05/27/93	6	8	GW		X							
SK-GP-46	1016903	05/27/93	13	15	GW		X							
SK-GP-46	1016905	05/27/93	13	15	GW			X						
SK-GP-46	1016990	05/27/93	13	15	GW		X							
SK-GP-46	1016991	05/27/93	13	15	GW			X						
SK-GP-47	1016906	05/27/93	6	8	GW	X								
SK-GP-47	1016992	05/27/93	6	8	GW	X								
SK-GP-47	1016993	05/27/93	6	8	GW			X						
SK-GP-47	1016908	05/27/93	13	15	GW		X							
SK-GP-48	1016909	05/27/93	7	9	GW		X							
SK-GP-48	1016910	05/28/93	13	15	GW		X							
SK-GP-49	1016911	05/28/93	7	9	GW	x								
SK-GP-50	1016912	05/28/93	7	9	GW		X							
SK-GP-50	1016913	05/28/93	13	15	GW		X							
SK-GP-50	1016914	05/28/93	13	15	GW			x						
SK-GP-50	1016994	05/28/93	13	15	GW		X							
SK-GP-50	1016995	05/28/93	13	15	GW			X						
SK-GP-51	1016915	05/27/93	7	9	GW	x								
SK-GP-52	1016916	05/27/93	7	9	GW		X							
SK-GP-52	1016917	05/27/93	13	15	GW		x							
SK-GP-53	1016918	05/27/93	7	9	GW		X							
SK-GP-53	1016919	05/27/93	7	9	GW			x						
SK-GP-53	1016996	05/27/93	7	9	GW		X							
SK-GP-53	1016997	05/27/93	7	9	GW			X						
SK-GP-54	1016920	05/27/93	7	9	GW	x								
SK-GP-55	1016921	05/27/93	7	9	GW	x								
SK-GP-56	1016922	05/27/93	7	9	GW		X							

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-GP-57	1016923	05/27/93	7	9	GW	X								
SK-GP-57	1016998	05/27/93	7	9	GW	X								
SK-GP-57	1016999	05/27/93	7	9	GW		X							
SK-GP-58	1016925	05/27/93	7	9	GW	x								
SK-GP-59	1016926	05/27/93	7	9	GW	x								
SK-GP-60	1016927	05/27/93	7	9	GW	X								
SK-GP-60	1017000	05/27/93	7	9	GW	X								
SK-GP-60	1017001	05/27/93	7	9	GW		X							
SK-GP-61	1016929	05/28/93	7	9	GW	X								
SK-GP-61	1017002	05/28/93	7	9	GW	X								
SK-GP-61	1017003	05/28/93	7	9	GW		X							
SK-GP-61	1016931	05/28/93	15	17	GW	X								
SK-GP-61	1017004	05/28/93	15	17	GW	X								
SK-GP-61	1017005	05/28/93	15	17	GW		X							
SK-GP-62	1016933	05/28/93	7	9	GW	x								
SK-GP-62	1016934	05/28/93	15	17	GW	X								
SK-GP-63	1016935	05/28/93	7	9	GW	X								
SK-GP-63	1016936	05/28/93	11	13	GW	X								
SK-GP-64	1016938	05/28/93	7	9	GW	X								
SK-GP-64	1016939	05/28/93	11	13	GW	x								
SK-GP-65	1016940	05/28/93	7	9	GW	X								
SK-GP-65	1016941	05/28/93	11	13	GW	X								
SK-GP-66	1016942	05/28/93	7	9	GW	X								
SK-GP-66	1016943	05/28/93	11	13	GW	X								
SK-GP-67	1016944	05/28/93	7	9	GW	X								
SK-GP-67	1016945	05/28/93	10	12	GW	x								
SK-GP-68	1016946	05/28/93	4	6	GW	X								
SK-GP-68	1016947	05/28/93	12	14	GW	X								
SK-GP-68	1017006	05/28/93	12	14	GW	X								
SK-GP-68	1017007	05/28/93	12	14	GW		X							
SK-MW-01	CW1900309	03/09/90	8.00	13.00	GW		x		x					
SK-MW-01	1018049	09/10/96	8.00	13.00	GW		x						x	
SK-MW-01	1634453	06/03/97	8.0	13.0	GW								x	

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Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-MW-01	1647368	11/24/97	8.0	13.0	GW		x	x				x		
SK-MW-02	CW3900309	03/09/90	9.00	19.00	GW		x					x	x	x
SK-MW-02	1018172	09/11/96	9.00	19.00	GW			x				x		
SK-MW-02	1634456	06/03/97	9.0	19.0	GW			x				x		
SK-MW-02	1647371	11/24/97	9	19	GW			x				x		x
SK-MW-03	CW4900309	03/09/90	6.00	16.00	GW		x	x				x	x	
SK-MW-03	1018173	09/11/96	6.00	16.00	GW		x					x		x
SK-MW-03	1634455	06/03/97	6.0	16.0	GW							x		
SK-MW-03	1647370	11/24/97	6.0	16.0	GW							x		
SK-MW-04	CW5900309	03/09/90	5.60	15.60	GW		x	x				x	x	
SK-MW-04	1018174	09/11/96	5.60	15.60	GW		x					x	x	x
SK-MW-04	1634454	06/03/97	5.6	15.6	GW							x		
SK-MW-04	1647369	11/24/97	5.6	15.6	GW							x		
SK-MW-05	31390090554	09/05/90	6.00	11.00	GW		x	x						x
SK-MW-05	31390112029	11/20/90	6.00	11.00	GW		x	x				x		x
SK-MW-05	31391022205	02/22/91	6.00	11.00	GW		x					x		x
SK-MW-05	30291052903	05/29/91	6.00	11.00	GW		x					x		x
SK-MW-05	020511111491	11/15/91	6.0	11.0	GW	x						x		
SK-MW-05	02051060992	06/10/92	6.0	11.0	GW	x						x		
SK-MW-05	1016815	06/01/93	6.00	11.00	GW	x								
SK-MW-05	1018181	09/11/96	6.0	11.0	GW		x					x	x	x
SK-MW-05	1634447	06/02/97	6.0	11.0	GW		x					x		
SK-MW-05	1647352	11/21/97	6.0	11.0	GW		x					x		
SK-MW-06	CAS 6030790	03/07/90	7.00	12.00	GW		x							
SK-MW-06	31390090555	09/05/90	7.00	12.00	GW		x	x						x
SK-MW-06	31390112030	11/20/90	7.00	12.00	GW		x		x					x
SK-MW-06	31391022206	02/22/91	7.00	12.00	GW		x							x
SK-MW-06	1018184	09/11/96	7.00	12.00	GW		x					x		x
SK-MW-06	1634480	06/04/97	7.0	12.0	GW							x		
SK-MW-06	1647337	11/20/97	7.0	12.0	GW							x		
SK-MW-07	CAS 9030790	03/07/90	8.00	13.00	GW		x							
SK-MW-07	CAS12030790	03/07/90	8.0	13.0	GW		x							
SK-MW-07	31390090558	09/05/90	8.00	13.00	GW		x	x						x

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Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-MW-07	31390112033	11/20/90	8.00	13.00	GW		X	x				X		X
SK-MW-07	31390122209	02/22/91	8.00	13.00	GW		X					X		X
SK-MW-07	1018182	09/11/96	8.00	13.00	GW		X					X		X
SK-MW-07	1634482	06/04/97	8.0	13.0	GW		X					X		
SK-MW-07	1647347	11/20/97	8.0	13.0	GW		x					X		
SK-MW-08D	31390090560	09/05/90	49.00	59.00	GW		x	x						X
SK-MW-08D	31390112035	11/20/90	49.00	59.00	GW		X	x						X
SK-MW-08D	31390122211	02/22/91	49.00	59.00	GW		x							X
SK-MW-08D	1018490	09/18/96	49.0	59.0	GW		x					X		X
SK-MW-08D	1634491	06/04/97	49.0	59.0	GW			x						X
SK-MW-08D	1634506	06/06/97	49.0	59.0	GW							X		
SK-MW-08D	1647357	11/21/97	49.0	59.0	GW		x					X		
SK-MW-08S	CAS10A30790	03/07/90	7.50	12.50	GW		x							
SK-MW-08S	31390090559	09/05/90	7.50	12.50	GW		x	x						X
SK-MW-08S	31390112034	11/20/90	7.50	12.50	GW		x	x						X
SK-MW-08S	31390122210	02/22/91	7.50	12.50	GW		x							X
SK-MW-08S	1018196	09/12/96	7.5	12.5	GW		x					X		X
SK-MW-08S	1634490	06/04/97	7.5	12.5	GW		x					x		
SK-MW-08S	1647373	11/24/97	7.5	12.5	GW			x				X		X
SK-MW-09	02091111391	11/14/91	5.00	15.00	GW	x							X	
SK-MW-09	02091060992	06/10/92	5.00	15.00	GW	X							X	
SK-MW-09	1018051	09/10/96	5.00	15.00	GW		x					X	X	X
SK-MW-09	1634450	06/03/97	5.0	15.0	GW		x					x		
SK-MW-09	1647354	11/21/97	5.0	15.0	GW		x					x		
SK-MW-10	02101111391	11/14/91	5.00	15.00	GW	x							X	
SK-MW-10	02101060992	06/10/92	5.00	15.00	GW	x							X	
SK-MW-10	1018050	09/10/96	5.00	15.00	GW		x					X	X	X
SK-MW-10	1634451	06/03/97	5.0	15.0	GW							X		
SK-MW-10	1634452	06/03/97	5.0	15.0	GW							x		
SK-MW-10	1647366	11/24/97	5.0	15.0	GW							X		
SK-MW-10	1647367	11/24/97	5.0	15.0	GW							x		
SK-MW-11	02111111391	11/14/91	5.00	15.00	GW	x						X		
SK-MW-11	02111061092	06/11/92	5.00	15.00	GW	X						X		

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Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-MW-11	1018183	09/11/96	5.00	15.00	GW		X				X	X		X
SK-MW-11	1634484	06/04/97	5.0	15.0	GW		X					X		
SK-MW-11	1647345	11/20/97	5.0	15.0	GW		X					X		
SK-MW-12	02121111391	11/14/91	4.50	14.50	GW	X							X	
SK-MW-12	02121061092	06/11/92	4.50	14.50	GW	X							X	
SK-MW-12	1018185	09/11/96	4.50	14.50	GW		X						X	
SK-MW-12	1634479	06/04/97	4.5	14.5	GW		X						X	
SK-MW-12	1647338	11/20/97	4.5	14.5	GW		X						X	
SK-MW-12	1647339	11/20/97	4.5	14.5	GW		X						X	
SK-MW-13	01131111391	11/14/91	2.60	12.60	GW	X							X	
SK-MW-13	02131061092	06/11/92	2.60	12.60	GW	X							X	
SK-MW-13	1018048	09/10/96	2.60	12.60	GW		X					X	X	
SK-MW-13	1634495	06/05/97	2.6	12.6	GW								X	
SK-MW-13	1647372	11/24/97	2.6	12.6	GW								X	
SK-MW-14I	020141052693	05/26/93	10.0	15.0	GW		X	X					X	
SK-MW-14I	1016895	05/26/93	10.00	15.00	GW	X								
SK-MW-14I	13141052693	05/26/93	10.00	15.00	GW		X	X					X	
SK-MW-14I	1018180	09/11/96	10.0	15.0	GW		X					X	X	X
SK-MW-14I	1634502	06/06/97	10.0	15.0	GW		X	X					X	
SK-MW-14I	1647342	11/20/97	10.0	15.0	GW		X	X					X	
SK-MW-15I	02151052693	05/26/93	10.0	15.0	GW		X	x					X	
SK-MW-15I	1018105	09/12/96	10.0	15.0	GW		X	x	X	X	X	X		X
SK-MW-15I	1634483	06/04/97	10.0	15.0	GW		X						X	
SK-MW-15I	1647346	11/20/97	10.0	15.0	GW		X						X	
SK-MW-16	02161052693	05/26/93	4.50	9.50	GW		X	x					X	
SK-MW-16	1018199	09/12/96	4.5	9.5	GW		X						X	
SK-MW-16	1634478	06/04/97	4.5	9.5	GW		X	x					X	
SK-MW-16	1647340	11/20/97	4.5	9.5	GW		X	x					X	
SK-MW-19	1018179	09/11/96	3.5	13.5	GW		X					X	X	X
SK-MW-19	1634485	06/04/97	3.5	13.5	GW		X						X	
SK-MW-19	1647341	11/20/97	3.5	13.5	GW		X						X	
SK-MW-20	1018104	09/12/96	4.0	14.0	GW		X				X	X	X	
SK-MW-20	1634487	06/04/97	4.0	14.0	GW		X					X		X

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Table 1
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SK-MW-20	1647353	11/21/97	4.0	14.0	GW		X					X		
SK-MW-21	1018176	09/11/96	3.5	13.5	GW		x					x	x	x
SK-MW-21	1634486	06/04/97	3.5	13.5	GW		x						x	
SK-MW-21	1647343	11/20/97	3.5	13.5	GW		X					x		
SK-MW-22	1018175	09/11/96	3.0	13.0	GW		x					x	x	x
SK-MW-22	1634488	06/04/97	3.0	13.0	GW		x							
SK-MW-22	1634499	06/06/97	3.0	13.0	GW								x	
SK-MW-22	1647351	11/21/97	3.0	13.0	GW		x						x	
SK-MW-23	1018195	09/12/96	3	13	GW		x						x	x
SK-MW-23	1634494	06/05/97	3.0	13.0	GW		x						x	
SK-MW-23	1647355	11/21/97	3.0	13.0	GW		x						x	
SK-MW-23	1647356	11/21/97	3.0	13.0	GW		x						x	
SK-MW-24	1018177	09/11/96	3.0	13.0	GW		X					x	x	x
SK-MW-24	1018178	09/11/96	3.0	13.0	GW		X					x	x	x
SK-MW-24	1634481	06/04/97	3.0	13.0	GW		x						x	
SK-MW-24	1647344	11/20/97	3.0	13.0	GW		X						x	
SK-SB-107	1024980	01/22/97	10.0	12.0	GW		x	x						x
SK-SB-108	1024981	01/22/97	10.0	12.0	GW		x	x						x
SK-SB-110	1024984	01/22/97	10.0	12.0	GW		x	x						x
SK-SB-114	1024982	01/22/97	10.0	12.0	GW		x	x						x
SK-SB-115	1024983	01/22/97	10.0	12.0	GW		x	x						x
SK-SB-118	1026081	02/05/97	7.0	9.0	GW		x	x						x
SK-SB-119	1026082	02/05/97	7.0	9.0	GW		X	x						x
SK-SB-121	1026083	02/05/97	7.0	9.0	GW		x	x						x
SK-SB-122	1026084	02/05/97	7	9	GW		x	x						x
SK-SB-127	1026085	02/05/97	7.0	9.0	GW		X	x						x
SK-SB-128	1026080	02/05/97	7.0	9.0	GW		x	x						x
SK-SB-130	1026201	02/06/97	9	10	GW			x				x	x	x
SK-SB-130	1026225	02/07/97	9.0	11.0	GW		x							
SK-SB-131	1026202	02/06/97	9	10	GW			x				x	x	x
SK-SB-131	1026226	02/07/97	9.0	11.0	GW		x							
SK-SB-133	1630746	03/26/97	7.0	10.0	GW		X	x					x	
SK-SB-136	1630745	03/26/97	10.0	13.0	GW		x	x					x	

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2. Printed on 04/06/98

Table 1
SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-137	1630740	03/25/97	10.0	13.0	GW		X	x				X		
SK-SB-173	1632473	04/29/97	11	14	GW		X	x				X		x
SK-SB-174	1632480	04/29/97	11	14	GW		X	x				X		x
SK-SB-175	1632481	04/29/97	11	14	GW		X	X				X		x
SK-SB-181	1632486	04/30/97	11	14	GW		X	x						x
SK-SB-182	1632482	04/29/97	11	14	GW		X	x				X		x
SK-SB-183	1632483	04/29/97	11	14	GW		X	x				X		x
SK-SB-184	1632487	04/30/97	11	14	GW		X	x						x
SK-SB-191	1632488	04/30/97	11	14	GW		X	x						x
SK-SB-195	1632489	04/30/97	6	9	GW		x	x				x		x
SK-SB-199	1639020	07/29/97	8	11	GW		X	x						x
SK-SB-201	1639021	07/29/97	13	16	GW		X	x						x
SK-SB-203	1639022	07/29/97	13	16	GW		x	x						x
SK-SB-206	1639019	07/29/97	8	11	GW		X	x						x
SK-SB-208	1639731	08/01/97	9	13	GW		x	x						x
SK-SB-211	1639730	08/01/97	9	13	GW		x	X						x
SK-SB-213	1639729	08/01/97	9	13	GW		X	x						x
SK-SB-215	1640260	08/14/97	6.5	10.0	GW		X							x
SK-SB-215	1640261	08/14/97	6.5	10.0	GW		X							x
SK-SB-218	1640262	08/14/97	8.5	12	GW		X							x
SK-SB-220	1640263	08/14/97	8.5	12	GW		x							x
SK-SB-222	1640264	08/14/97	4.5	8	GW		X							x
SK-SB-223	1641424	08/26/97	8	11	GW		x	X						x
SK-SB-228	1641425	08/26/97	10	13	GW		X	x				X		x
SK-SB-230	1641426	08/26/97	10	13	GW		X	X				X		x
SK-SB-232	1641427	08/26/97	10	13	GW		X	X				X		x
SK-SB-233	1641439	08/26/97	10	13	GW		X	x				x		x
SK-SB-234	1641440	08/26/97	10	13	GW		X	x				x		x
SK-SB-235	1641441	08/26/97	10	13	GW		x	x				x		x
SK-SB-238	1641442	08/26/97	10	13	GW		X	x						x
SK-SB-253	1642965	09/15/97	9.5	13.0	GW		X	x						x
SK-SB-255	1642966	09/15/97	9.5	13.0	GW		X	x						x
SK-SB-258	1642967	09/15/97	9.5	13.0	GW		X	x						x

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Table 1
SUMMARY OF GROUNDWATER SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-264	1642968	09/15/97	9.5	13.0	GW		x	x			x			x
SK-SB-266	1642963	09/15/97	9.5	13	GW		X	x						x
SK-SB-266	1642964	09/15/97	9.5	13.0	GW		X	x						x
SK-SB-267	1642961	09/12/97	9.5	13.0	GW		X	x			x	x		x
SK-SB-268	1642960	09/12/97	9.5	13	GW		X	x			x	x		x
SK-SB-61	1017853	09/04/96	8.5	10.5	GW	x	x	x					x	x
SK-SB-67	1017854	09/05/96	8.5	10.5	GW	x	x	x					x	x
SK-SB-68	1017852	09/04/96	8.5	10.5	GW	x	X	x					x	x
SK-SB-69	1017855	09/06/96	8.5	10.5	GW	x	x	x					x	x
SK-SB-70	1018034	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-71	1018035	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-72	1018036	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-73	1018037	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-74	1018038	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-75	1018039	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-76	1018040	09/16/96	9.5	10.5	GW		X	x					x	x
SK-SB-77	1018042	09/17/96	9.0	10.5	GW		X	x					x	x
SK-SB-78	1018045	09/17/96	11.0	12.5	GW		X	x					x	x
SK-SB-79	1018044	09/17/96	11.0	12.5	GW		X	x					x	x
SK-SB-80	1018043	09/17/96	11.0	12.5	GW		X	x					x	x
SK-SB-81	1018046	09/17/96	11.0	12.5	GW		X	x					x	x
SK-SB-93	1020710	10/25/96	5	7	GW	x	X				x	x		x
SK-SB-95	1020711	10/25/96	5.5	7.5	GW	x	x				x	x		x
SK-SB-97	1020712	10/25/96	5.5	7.5	GW	x	X				x	x		x

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-MW-01	NA-MW-01	NA-MW-02	NA-MW-02	NA-MW-03	NA-MW-03	NA-MW-03
	Sample ID	1016642	1016643	1016644	1634441	1016647	1634438	1634439
	Sample Date	08/06/1996	08/06/1996	08/06/1996	06/02/1997	08/06/1996	06/02/1997	06/02/1997
	Sample Time	09:50	09:50	11:00	11:45	12:50	11:00	11:10
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'	4.8' - 14.8'	4.5' - 14.5'	4.5' - 14.5'	4.5' - 14.5'
	Laboratory	AEL	AEL	AEL	QUAN	AEL	QUAN	QUAN
	Lab. Number	AEL96008727	AEL96008728	AEL96008729	A7F040101006	AEL96008732	A7F040101003	A7F040101004
Constituent	Units							
Depth of Well	FT	15.0	15.0	14.3	14.30	14.0	14.00	14.00
Depth to Water	FT	5.1	5.1	4.01	3.75	4.63	4.23	4.23
Specific Conductivity (field)	µmhos	59	59	73	70	57	100	100
Water Elevation	FT	40.99	40.99	39.12	39.38	38.43	38.83	38.83
pH (field)	SU	5.45	5.45	6.33	6.01	5.58	6.02	6.02
Date Metals Analyzed	-	08/12/1996	08/12/1996	08/12/1996	06/12/1997	08/12/1996	06/12/1997	06/12/1997
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.050	0.056	0.012		0.010		
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							0.0274 J
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L			0.021	0.0867 J	0.029	0.0407 J	0.0489 J
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
 2. Printed on 04/06/98

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-MW-03	NA-MW-04	NA-MW-04	NA-MW-05	NA-MW-05	NA-MW-05	NA-MW-05
	Sample ID	1647384	1016645	1634440	1026976	1634443	1647307	1647327
	Sample Date	11/20/1997	08/06/1996	06/02/1997	02/26/1997	06/02/1997	11/18/1997	11/19/1997
	Sample Time	10:22	11:30	11:20	09:00	13:20	10:50	12:45
	Sample Depth	4.5' - 14.5'	10.3' - 20.3'	10.3' - 20.3'	2.3' - 11.3'	2.3' - 11.3'	2.3' - 11.3'	2.3' - 11.3'
	Laboratory	QUAN	AEL	QUAN	AEL	QUAN	QUAN	QUAN
	Lab. Number	A7K240137026	AEL96008730	A7F040101005	AEL97002331	A7F040101008	A7K240130002	A7K250105009
Constituent	Units							
Depth of Well	FT	14.2	19.5	19.50	11.5	13.00	13.9	
Depth to Water	FT	4.52	5.64	5.30	4.75	7.77	8.05	
Specific Conductivity (field)	µmhos	10	44	50		130	214	
Water Elevation	FT	38.54	36.85	37.19	43.16	40.14	39.86	
pH (field)	SU	5.49	5.77	5.45		6.39		
Date Metals Analyzed	-	12/07/1997	08/12/1996	06/12/1997	03/11/1997	06/12/1997		12/01/1997
Date Organics Analyzed	-				03/03/1997			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L		0.016		0.051			
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L	0.0271						
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0237		0.0293 J		0.0235 J		0.0791
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L						3.4	
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-MW-06	NA-MW-06	NA-MW-07	NA-MW-07	NA-SB-06	NA-SB-09	NA-SB-19
	Sample ID	1634442	1647328	1634444	1647329	1020274	1020273	1026483
	Sample Date	06/02/1997	11/19/1997	06/02/1997	11/19/1997	10/29/1996	10/29/1996	02/21/1997
	Sample Time	13:00	12:50	13:45	12:55	16:20	15:40	10:59
	Sample Depth	2.0' - 11.0'	2' - 11'	2.3' - 11.3'	2.3' - 11.3'	6.5' - 8.5'	6.5' - 8.5'	4' - 7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	AEL	AEL	AEL
	Lab. Number	A7F040101007	A7K250105010	A7F040101009	A7K250105011	AEL96012219	AEL96012218	AEL97002186
Constituent	Units							
Depth of Well	FT	13.00		13.00				
Depth to Water	FT	7.44		8.32				4.5
Specific Conductivity (field)	µmhos	130		130				
Water Elevation	FT	40.04		40.02				
pH (field)	SU	6.32		6.69				
Date Metals Analyzed	-	06/12/1997	12/01/1997	06/12/1997	12/01/1997	10/31/1996	10/31/1996	
Date Organics Analyzed	-					11/12/1996		02/28/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L						0.0202	
Chromium	mg/L	0.0162	0.0151	0.0305				
Lead	mg/L					0.0135		
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0595 J	0.0341	0.140 J	0.0278	0.058	0.641	
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L					4.4		
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-MW-06	NA-MW-06	NA-MW-07	NA-MW-07	NA-SB-06	NA-SB-09	NA-SB-19
	Sample ID	1634442	1647328	1634444	1647329	1020274	1020273	1026483
	Sample Date	06/02/1997	11/19/1997	06/02/1997	11/19/1997	10/29/1996	10/29/1996	02/21/1997
	Sample Time	13:00	12:50	13:45	12:55	16:20	15:40	10:59
	Sample Depth	2.0' - 11.0'	2' - 11'	2.3' - 11.3'	2.3' - 11.3'	6.5' - 8.5'	6.5' - 8.5'	4' - 7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	AEL	AEL	AEL
	Lab. Number	A7F040101007	A7K250105010	A7F040101009	A7K250105011	AEL96012219	AEL96012218	AEL97002186
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							1.0
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane, 1,1-	µg/L							
Dichloroethylene, 1,1-	µg/L							
Dichloroethylene, 1,2-cis-	µg/L							
Dichloroethylene, 1,2-trans-	µg/L							
Ethylbenzene	µg/L					1500		
Tetrachloroethylene	µg/L							
Toluene	µg/L					61		
Trichloroethane, 1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L					3300 J11		

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-SB-21	NA-SB-29	NA-SB-30	NA-SB-32	NA-SB-38	NA-SB-41	NA-SB-43
Sample ID	1026484	1026487	1026485	1026486	1026982	1026979	1634262	
Sample Date	02/21/1997	02/21/1997	02/21/1997	02/21/1997	02/26/1997	02/26/1997	02/26/1997	06/04/1997
Sample Time	11:28	13:00	11:56	12:25	15:35	12:10		10:55
Sample Depth	4' - 7'	4' - 7'	4' - 7'	4' - 7'	11' - 14'	5' - 8'		4' - 7'
Laboratory	AEL	QUAN						
Lab. Number	AEL97002187	AEL97002190	AEL97002188	AEL97002189	AEL97002337	AEL97002334	AEL970122004	A7F070122004
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT	4.5	4.5	4.5	4.5			
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	02/25/1997	02/26/1997			03/11/1997	03/11/1997	06/12/1997
Date Organics Analyzed	-	03/03/1997		03/03/1997	03/03/1997			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-		03/26/1997					
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L						0.059	
Cadmium	mg/L		0.0031					
Chromium	mg/L							
Lead	mg/L	0.0075						
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L		0.196			0.254	0.076	0.0229
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L	2.6						
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo(b)fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L		5.0 U					
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NA-SB-21	NA-SB-29	NA-SB-30	NA-SB-32	NA-SB-38	NA-SB-41	NA-SB-43
	Sample ID	1026484	1026487	1026485	1026486	1026982	1026979	1634262
	Sample Date	02/21/1997	02/21/1997	02/21/1997	02/21/1997	02/26/1997	02/26/1997	06/04/1997
	Sample Time	11:28	13:00	11:56	12:25	15:35	12:10	10:55
	Sample Depth	4' - 7'	4' - 7'	4' - 7'	4' - 7'	11' - 14'	5' - 8'	4' - 7'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	QUAN
	Lab. Number	AEL97002187	AEL97002190	AEL97002188	AEL97002189	AEL97002337	AEL97002334	A7F070122004
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L			1.0	1.4			
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane, 1,1-	µg/L							
Dichloroethylene, 1,1-	µg/L							
Dichloroethylene, 1,2-cis-	µg/L							
Dichloroethylene, 1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L							
Toluene	µg/L							
Trichloroethane, 1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L	13						

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-SB-49	NA-SB-53	NA-SB-55	NA-SB-57	NA-SB-60	NA-SB-60	NA-SB-62
	Sample ID	1634261	1634266	1640105	1640104	1640103	1640103	1640102
	Sample Date	06/04/1997	06/04/1997	08/05/1997	08/05/1997	08/05/1997	08/05/1997	08/05/1997
	Sample Time	10:30	12:55	14:30	14:10	13:45	13:45	13:05
	Sample Depth	4' - 7'	5' - 8'	7' - 10'	7' - 10'	7' - 10'	7' - 10'	7' - 10'
	Laboratory	QUAN						
	Lab. Number	A7F070122003	A7F070122008	27H060108005	A7H060108004	27H060108003	A7H060108003	27H060108002
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT	4.25						
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	06/12/1997	06/12/1997	08/18/1997		08/18/1997	08/13/1997	08/18/1997
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-				08/25/1997			
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L						0.0619	
Zinc	mg/L	0.0642	0.0233	0.0248		0.0292		0.0837
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	NK-MW-01	NK-MW-02	NK-MW-03	NK-MW-04	NK-MW-04	NK-MW-06	NK-MW-06
	Sample ID	1016661	1016650	1016653	1016651	1634466	1016658	1647389
	Sample Date	08/07/1996	08/06/1996	08/06/1996	08/06/1996	06/03/1997	08/07/1996	11/20/1997
	Sample Time	14:50	15:20	16:40	15:50	11:50	11:40	12:12
	Sample Depth	7.0' - 12.0'	5.0' - 10.0'	7.0' - 12.0'	7.0' - 12.0'	7.0' - 12.0'	4.0' - 11.5'	4' - 11.5'
	Laboratory	AEL	AEL	AEL	AEL	QUAN	AEL	QUAN
	Lab. Number	AEL96008788	AEL96008735	AEL96008738	AEL96008736	A7F040150005	AEL96008785	A7K240137029
Constituent	Units							
Depth of Well	FT	13.44	11.83	14.13	9.72	9.72	12.52	12.62
Depth to Water	FT	6.09	4.33	6.39	2.28	1.71	7.44	6.62
Specific Conductivity (field)	µmhos	242	88	85	53	40	83	92
Water Elevation	FT	49.34	44.07	44.55	43.83	44.40	43.13	43.95
pH (field)	SU	6.12	6.47	5.6	6.19	5.57	5.78	5.58
Date Metals Analyzed	-	08/12/1996	08/12/1996	08/12/1996	08/12/1996	06/16/1997	08/12/1996	12/07/1997
Date Organics Analyzed	-			08/15/1996				
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.128	0.017	0.013	0.027		0.028	
Cadmium	mg/L				0.0019			
Chromium	mg/L							
Lead	mg/L							0.0032
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.018			0.011	0.0236 J		
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-MW-07	NK-MW-07	NK-MW-08	NK-MW-08	NK-MW-09	NK-MW-10	NK-MW-11
	Sample ID	1634489	1647390	1016648	1647336	1016659	1016649	1016641
	Sample Date	06/04/1997	11/20/1997	08/06/1996	11/19/1997	08/07/1996	08/06/1996	08/05/1996
	Sample Time	13:55	13:00	14:30	15:20	12:45	14:50	15:15
	Sample Depth	5.0' - 12.5'	5' - 12.5'	4.0' - 11.0'	4.0' - 11.0'	4.0' - 11.0'	3.5' - 10.5'	0.0'
	Laboratory	QUAN	QUAN	AEL	QUAN	AEL	AEL	AEL
	Lab. Number	A7F090102007	A7K240137016	AEL96008733	A7K250105020	AEL96008786	AEL96008734	AEL96008693
Constituent	Units							
Depth of Well	FT	10.35	10.32	13.96	13.96	14.01	43.59	7.6
Depth to Water	FT	9.32	9.99	5.56	8.55	8.21	5.12	7.21
Specific Conductivity (field)	µmhos	360	43	72	110	94	105	65
Water Elevation	FT	38.28	37.61	45.40	42.41	42.22	44.66	39.54
pH (field)	SU	6.33	5.17	5.98	5.1	5.9	6.22	6.28
Date Metals Analyzed	-	06/25/1997		08/12/1996	12/01/1997	08/12/1996	08/12/1996	08/13/1996
Date Organics Analyzed	-		12/03/1997					08/14/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L			0.013		0.015	0.018	
Cadmium	mg/L							
Chromium	mg/L				0.0128			
Lead	mg/L				0.0085			
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0597			0.0658	0.047	0.013	0.027
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-MW-07	NK-MW-07	NK-MW-08	NK-MW-08	NK-MW-09	NK-MW-10	NK-MW-11
	Sample ID	1634489	1647390	1016648	1647336	1016659	1016649	1016641
	Sample Date	06/04/1997	11/20/1997	08/06/1996	11/19/1997	08/07/1996	08/06/1996	08/05/1996
	Sample Time	13:55	13:00	14:30	15:20	12:45	14:50	15:15
	Sample Depth	5.0' - 12.5'	5' - 12.5'	4.0' - 11.0'	4.0' - 11.0'	4.0' - 11.0'	3.5' - 10.5'	0.0'
	Laboratory	QUAN	QUAN	AEL	QUAN	AEL	AEL	AEL
	Lab. Number	A7F090102007	A7K240137016	AEL96008733	A7K250105020	AEL96008786	AEL96008734	AEL96008693
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L		11					5.1

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	Location ID	NK-MW-12	NK-MW-12	NK-MW-12	NK-MW-13	NK-MW-13	NK-MW-13	NK-MW-14
Sample ID	1016638	1634462	1647392	1016639	1634463	1647391	1016655	
Sample Date	08/05/1996	06/03/1997	11/20/1997	08/05/1996	06/03/1997	11/20/1997	08/07/1996	
Sample Time	11:35	10:25	13:35	13:10	10:35	13:20	10:50	
Sample Depth	4.5' - 9.5'	4.5' - 9.5'	4.5' - 9.5'	5.0' - 15.0'	5.0' - 15.0'	5' - 15'	5.0' - 10.0'	
Laboratory	AEL	QUAN	QUAN	AEL	QUAN	QUAN	AEL	
Lab. Number	AEL96008690	A7F040150001	A7K240137018	AEL96008691	A7F040150002	A7K240137017	AEL96008782	
Constituent	Units							
Depth of Well	FT	11.24	11.24	11.32	17.51	17.50	17.37	12.62
Depth to Water	FT	8.65	8.02	8.53	12.1	11.44	12.01	8.61
Specific Conductivity (field)	µmhos	75	50	44	61	30	43	81
Water Elevation	FT	38.10	38.73	38.22	38.49	39.15	38.58	38.13
pH (field)	SU	5.30	4.72	5.03	5.85	5.31	5.63	6.34
Date Metals Analyzed	-	08/13/1996	06/16/1997	12/07/1997	08/13/1996	06/16/1997	12/07/1997	08/12/1996
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.105			0.020			0.020
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.059	0.0280 J	0.0445	0.024	0.0364 J	0.101	0.021
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-MW-14	NK-MW-15	NK-MW-15	NK-MW-15	NK-MW-16	NK-MW-16	NK-MW-16
Sample ID	1016656	1016662	1634449	1647365	1016652	1634467	1647333	
Sample Date	08/07/1996	08/07/1996	06/03/1997	11/24/1997	08/06/1996	06/03/1997	11/19/1997	
Sample Time	10:50	15:50	11:20	11:45	16:30	13:00	13:55	
Sample Depth	5.0' - 10.0'	2.0' - 12.0'	2.0' - 12.0'	2.0' - 12.0'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	
Laboratory	AEL	AEL	QUAN	QUAN	AEL	QUAN	QUAN	
Lab. Number	AEL96008783	AEL96008789	A7F040156002	A7K260145004	AEL96008737	A7F040150006	A7K250105015	
Constituent	Units							
Depth of Well	FT	12.62	9.25	9.25	7.5	16.06	16.06	16.14
Depth to Water	FT	8.61	6.27	4.38	6.73	6.57	4.38	6.0
Specific Conductivity (field)	µmhos	81	66	45	120	129	90	158
Water Elevation	FT	38.13	48.55	50.44	48.09	44.87	47.06	45.44
pH (field)	SU	6.34	5.20	10.3	5.4	6.09	6.00	5.0
Date Metals Analyzed	-	08/12/1996	08/12/1996	06/17/1997	12/08/1997	08/12/1996	06/16/1997	12/01/1997
Date Organics Analyzed	-					08/15/1996		11/30/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.024	0.057			0.027		
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.015	0.011	0.0250	0.0282	0.011	0.125	0.0454
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo(b)fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-MW-14	NK-MW-15	NK-MW-15	NK-MW-15	NK-MW-16	NK-MW-16	NK-MW-16
Sample ID	1016656	1016662	1634449	1647365	1016652	1634467	1647333	
Sample Date	08/07/1996	08/07/1996	06/03/1997	11/24/1997	08/06/1996	06/03/1997	11/19/1997	
Sample Time	10:50	15:50	11:20	11:45	16:30	13:00	13:55	
Sample Depth	5.0' - 10.0'	2.0' - 12.0'	2.0' - 12.0'	2.0' - 12.0'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	
Laboratory	AEL	AEL	QUAN	QUAN	AEL	QUAN	QUAN	
Lab. Number	AEL96008783	AEL96008789	A7F040156002	A7K260145004	AEL96008737	A7F040150006	A7K250105015	
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							6.7
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L					68		11
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L					6.2		
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

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	Location ID	NK-MW-17	NK-MW-17	NK-MW-18	NK-MW-18	NK-MW-19	NK-MW-19	NK-MW-19
	Sample ID	1634474	1634475	1634468	1647331	1016640	1634493	1647330
	Sample Date	06/03/1997	06/03/1997	06/03/1997	11/19/1997	08/05/1996	06/05/1997	11/19/1997
	Sample Time	14:48	14:50	13:20	13:17	14:45	13:04	13:07
	Sample Depth	4.0' - 9.0'	4.0' - 9.0'	1.7' - 10.7'	1.7' - 10.7'	1.7' - 10.7'	1.7' - 10.7'	1.7' - 10.7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	AEL	QUAN	QUAN
	Lab. Number	A7F040150013	A7F040150014	A7F050105006	A7K250105013	AEL96008692	A7F090102001	A7K250105012
Constituent	Units							
Depth of Well	FT	11.85	11.85	13.94		14.2	14.20	
Depth to Water	FT	7.05	7.05	2.45		9.71	5.99	
Specific Conductivity (field)	µmhos	100	100	60		109	70	
Water Elevation	FT	42.52	42.52	44.86		36.67	40.39	
pH (field)	SU	5.9	5.9	5.52		6.08	6.09	
Date Metals Analyzed	-	06/17/1997	06/17/1997		12/01/1997	08/13/1996	06/25/1997	12/01/1997
Date Organics Analyzed	-			06/15/1997				
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L		0.0051					
Barium	mg/L		0.328			0.029		
Cadmium	mg/L							
Chromium	mg/L		0.0425					0.0138
Lead	mg/L		0.0272				0.0085	0.0036
Mercury	mg/L							
Nickel	mg/L		0.0412			0.153		
Zinc	mg/L	0.0265 J	0.143		0.0627	0.034	0.0985	0.0786
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol, 4-	µg/L							
Methylnaphthalene, 2-	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	NK-MW-17	NK-MW-17	NK-MW-18	NK-MW-18	NK-MW-19	NK-MW-19	NK-MW-19
	Sample ID	1634474	1634475	1634468	1647331	1016640	1634493	1647330
	Sample Date	06/03/1997	06/03/1997	06/03/1997	11/19/1997	08/05/1996	06/05/1997	11/19/1997
	Sample Time	14:48	14:50	13:20	13:17	14:45	13:04	13:07
	Sample Depth	4.0' - 9.0'	4.0' - 9.0'	1.7' - 10.7'	1.7' - 10.7'	1.7' - 10.7'	1.7' - 10.7'	1.7' - 10.7'
	Laboratory	QUAN	QUAN	QUAN	QUAN	AEL	QUAN	QUAN
	Lab. Number	A7F040150013	A7F040150014	A7F050105006	A7K250105013	AEL96008692	A7F090102001	A7K250105012
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L			15				
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98



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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-12	NK-SB-13	NK-SB-14	NK-SB-15	NK-SB-16	NK-SB-17	NK-SB-18
Sample ID	1015676	1015675	1015674	1015672	1015671	1015669	1015677	
Sample Date	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/09/1996
Sample Time	12:05	15:20	14:50	14:00	11:50	11:15		11:30
Sample Depth	5' - 7'	5' - 7'	5' - 7'	5' - 7'	5' - 7'	5' - 7'		5' - 7'
Laboratory	AEL	AEL	AEL	AEL	AEL	AEL		AEL
Lab. Number	AEL96007381	AEL96007380	AEL96007379	AEL96007378	AEL96007377	AEL96007376		AEL96007498
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.019	0.014	0.024	0.033	0.055	0.034	0.018
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.018	0.042	0.014	0.054	0.156	0.299	0.014
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
 2. Printed on 04/06/98

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	Location ID	NK-SB-12	NK-SB-13	NK-SB-14	NK-SB-15	NK-SB-16	NK-SB-17	NK-SB-18
	Sample ID	1015676	1015675	1015674	1015672	1015671	1015669	1015677
	Sample Date	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/09/1996
	Sample Time	12:05	15:20	14:50	14:00	11:50	11:15	11:30
	Sample Depth	5' - 7'	5' - 7'	5' - 7'	5' - 7'	5' - 7'	5' - 7'	5' - 7'
	Laboratory	AEL						
	Lab. Number	AEL96007381	AEL96007380	AEL96007379	AEL96007378	AEL96007377	AEL96007376	AEL96007498
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/L							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98



Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-19	NK-SB-20	NK-SB-200	NK-SB-208	NK-SB-209	NK-SB-21	NK-SB-210
Sample ID	1015678	1015679	1018900	1019263	1019264	1018204	1019265	
Sample Date	07/09/1996	07/09/1996	10/14/1996	10/16/1996	10/16/1996	09/12/1996	10/16/1996	
Sample Time	14:10	16:00	12:30	10:35	12:00	12:05	13:50	
Sample Depth	5' - 7'	5' - 7'	3.5' - 8.5'	7' - 9'	7' - 9'	8' - 10'	4.5' - 6.5'	
Laboratory	AEL							
Lab. Number	AEL96007499	AEL96007500	AEL96011604	AEL96011735	AEL96011736	AEL96010272	AEL96011737	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	07/17/1996	07/17/1996		10/22/1996	10/22/1996	09/16/1996	10/22/1996
Date Organics Analyzed	-	07/16/1996	07/16/1996				09/18/1996	
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-			10/24/1996				
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.021	0.082		0.108	0.058	0.013	0.069
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L	2.486	0.023					
Zinc	mg/L	0.039	0.028		0.090	0.012	0.013	0.085
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L			3.07 U				
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-SB-19	NK-SB-20	NK-SB-200	NK-SB-208	NK-SB-209	NK-SB-21	NK-SB-210
	Sample ID	1015678	1015679	1018900	1019263	1019264	1018204	1019265
	Sample Date	07/09/1996	07/09/1996	10/14/1996	10/16/1996	10/16/1996	09/12/1996	10/16/1996
	Sample Time	14:10	16:00	12:30	10:35	12:00	12:05	13:50
	Sample Depth	5' - 7'	5' - 7'	3.5' - 8.5'	7' - 9'	7' - 9'	8' - 10'	4.5' - 6.5'
	Laboratory	AEL						
	Lab. Number	AEL96007499	AEL96007500	AEL96011604	AEL96011735	AEL96011736	AEL96010272	AEL96011737
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L						1.4	
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L	10	20					
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

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	Location ID	NK-SB-214	NK-SB-215	NK-SB-217	NK-SB-218	NK-SB-22	NK-SB-225	NK-SB-226
Sample ID	1021133	1021130	1021132	1021131	1018203	1021833	1021834	
Sample Date	11/12/1996	11/11/1996	11/11/1996	11/11/1996	09/12/1996	12/16/1996	12/16/1996	
Sample Time	11:20	14:30	16:30	15:15	11:30	14:45	15:10	
Sample Depth	5.0' - 7.0'	12' - 14'	6' - 8'	9.5' - 11.5'	9' - 11'	10.0' - 12.0'	10.0' - 12.0'	
Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL	
Lab. Number	AEL96012814	AEL96012755	AEL96012753	AEL96012756	AEL96010271	AEL96014076	AEL96014077	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	11/13/1996	11/13/1996	11/13/1996	11/13/1996	09/16/1996		
Date Organics Analyzed	-	11/25/1996				09/18/1996	12/24/1996	12/26/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-			11/25/1996	11/27/1996		01/06/1997	01/06/1997
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.019	0.019	0.030	0.017			
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L					0.011		
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L						2.9	3.0
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L			1.5 U	1.7 U		1.7 MDL	2.3 MDL
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	NK-SB-227	NK-SB-23	NK-SB-232	NK-SB-24	NK-SB-26	NK-SB-268	NK-SB-269
Sample ID	1021835	1018202	1024565	1018201	1018200	1027281	1027282	
Sample Date	12/16/1996	09/12/1996	01/15/1997	09/12/1996	09/12/1996	03/05/1997	03/05/1997	
Sample Time	15:45	10:50	09:25	10:15	12:20	10:50	13:00	
Sample Depth	10.0' - 12.0'	9' - 11'	8.0' - 9.0'	9' - 11'	7' - 9'	5' - 6'	5' - 6'	
Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL	
Lab. Number	AEL96014078	AEL96010270	AEL97000700	AEL96010269	AEL96010273	AEL97002692	AEL97002693	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-		09/16/1996	01/27/1997	09/16/1996	09/16/1996	03/26/1997	03/26/1997
Date Organics Analyzed	-	12/26/1996	09/18/1996		09/18/1996	09/18/1996		
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L				0.036	0.068		
Cadmium	mg/L							0.0018
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L		0.015	0.054	0.029	0.012	0.083	0.106
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-270	NK-SB-271	NK-SB-305	NK-SB-305	NK-SB-305	NK-SB-306	NK-SB-306
	Sample ID	1027283	1027284	1634218	1634219	1634220	1634221	1634222
	Sample Date	03/05/1997	03/05/1997	05/29/1997	05/29/1997	05/29/1997	05/29/1997	05/29/1997
	Sample Time	14:30	15:45	10:20	10:22	10:25	10:55	10:58
	Sample Depth	5.0' - 6.0'	5' - 6'	4.0' - 6.0'	4.0' - 6.0'	10' - 12'	4.0' - 6.0'	10' - 12'
	Laboratory	AEL	AEL	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	AEL97002694	AEL97002695	A7F040113001	A7F040113002	A7F040113003	A7F040113004	A7F040113005
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	03/26/1997	03/26/1997					
Date Organics Analyzed	-			06/12/1997	06/11/1997	06/12/1997	06/12/1997	06/12/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.053						
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L		0.084					
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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**SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-270	NK-SB-271	NK-SB-305	NK-SB-305	NK-SB-305	NK-SB-306	NK-SB-306
	Sample ID	1027283	1027284	1634218	1634219	1634220	1634221	1634222
	Sample Date	03/05/1997	03/05/1997	05/29/1997	05/29/1997	05/29/1997	05/29/1997	05/29/1997
	Sample Time	14:30	15:45	10:20	10:22	10:25	10:55	10:58
	Sample Depth	5.0' - 6.0'	5' - 6'	4.0' - 6.0'	4.0' - 6.0'	10' - 12'	4.0' - 6.0'	10' - 12'
	Laboratory	AEL	AEL	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	AEL97002694	AEL97002695	A7F040113001	A7F040113002	A7F040113003	A7F040113004	A7F040113005
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L			44	37	50	18	65
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L						1.3	
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-307	NK-SB-307	NK-SB-308	NK-SB-309	NK-SB-309	NK-SB-311	NK-SB-312
	Sample ID	1634223	1634224	1634225	1634227	1634228	1634648	1634649
	Sample Date	05/29/1997	05/29/1997	05/29/1997	05/29/1997	05/29/1997	06/12/1997	06/12/1997
	Sample Time	11:45	11:48	13:20	14:05	14:08	14:20	14:50
	Sample Depth	4.0' - 6.0'	10' - 12'	5.0' - 7.0'	5' - 7'	10' - 12'	8' - 12'	8' - 12'
	Laboratory	QUAN						
	Lab. Number	A7F040113006	A7F040113007	A7F040113008	A7F040113010	A7F040113011	A7F130174005	A7F130174006
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-							
Date Organics Analyzed	-	06/12/1997	06/12/1997	06/12/1997	06/12/1997	06/12/1997		06/27/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L						1.1	J
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-307	NK-SB-307	NK-SB-308	NK-SB-309	NK-SB-309	NK-SB-311	NK-SB-312
	Sample ID	1634223	1634224	1634225	1634227	1634228	1634648	1634649
	Sample Date	05/29/1997	05/29/1997	05/29/1997	05/29/1997	05/29/1997	06/12/1997	06/12/1997
	Sample Time	11:45	11:48	13:20	14:05	14:08	14:20	14:50
	Sample Depth	4.0' - 6.0'	10' - 12'	5.0' - 7.0'	5' - 7'	10' - 12'	8' - 12'	8' - 12'
	Laboratory	QUAN						
	Lab. Number	A7F040113006	A7F040113007	A7F040113008	A7F040113010	A7F040113011	A7F130174005	A7F130174006
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L				16 j			
Acetonitrile	µg/L		20 Ur					
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L	6.4		17	23	21		2.2
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L			1.5	4.1			
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-315	NK-SB-317	NK-SB-318	NK-SB-319	NK-SB-324	NK-SB-341	NK-SB-342
	Sample ID	1634613	1634611	1634612	1634647	1634644	1638020	1638021
	Sample Date	06/06/1997	06/06/1997	06/06/1997	06/12/1997	06/12/1997	07/16/1997	07/16/1997
	Sample Time	13:40	12:40	13:15	13:50	12:25	13:45	14:45
	Sample Depth	5' - 8'	5' - 8'	5' - 8'	8' - 12'	8' - 12'	4' - 8'	4' - 8'
	Laboratory	QUAN						
	Lab. Number	A7F090112004	A7F090112002	27F090112003	A7F130174004	A7F130174001	A7G210123017	A7G210123018
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-						08/05/1997	08/05/1997
Date Organics Analyzed	-	06/19/1997						
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-			06/25/1997				
pH (Liquid)	No Un						5.7	5.6
Arsenic	mg/L						0.0146	0.0206
Barium	mg/L						0.779 L J	0.797
Cadmium	mg/L							
Chromium	mg/L						0.0584	0.216
Lead	mg/L						0.0181	0.0657
Mercury	mg/L							
Nickel	mg/L						0.0611	0.121
Zinc	mg/L						0.300 L J	.180
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L		1.1		1.8 J	3.5 J		
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L			11 J				
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown

2. Printed on 04/06/98

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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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Notes: 1. Only Detects Shown
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	Location ID	NK-SB-46	NK-SB-47	NK-SB-49	NK-SB-50	NK-SB-65	NK-SB-66	NK-SB-66
Sample ID	1017205	1017207	1017213	1017215	1018680	1018644	1018645	1018645
Sample Date	08/13/1996	08/13/1996	08/14/1996	08/15/1996	10/01/1996	10/01/1996	10/01/1996	10/01/1996
Sample Time	11:50	16:05	14:58	10:30	15:30	14:45	15:05	
Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	6' - 8'	6' - 8'	6' - 8'	
Laboratory	AEL	AEL	LEA	LEA	AEL	AEL	AEL	
Lab. Number	AEL96008990	AEL96008991	96-4036-053	96-4037-054	AEL96011170	AEL96011168	AEL96011169	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	08/14/1996	08/14/1996			10/16/1996	10/16/1996	10/16/1996
Date Organics Analyzed	-			08/20/1996	08/20/1996			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.028				0.086	0.084	0.075
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L	0.079	0.235					
Zinc	mg/L	0.026	0.011			0.012	0.067	0.017
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-SB-46	NK-SB-47	NK-SB-49	NK-SB-50	NK-SB-65	NK-SB-66	NK-SB-66
	Sample ID	1017205	1017207	1017213	1017215	1018680	1018644	1018645
	Sample Date	08/13/1996	08/13/1996	08/14/1996	08/15/1996	10/01/1996	10/01/1996	10/01/1996
	Sample Time	11:50	16:05	14:58	10:30	15:30	14:45	15:05
	Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	6' - 8'	6' - 8'	6' - 8'
	Laboratory	AEL	AEL	LEA	LEA	AEL	AEL	AEL
	Lab. Number	AEL96008990	AEL96008991	96-4036-053	96-4037-054	AEL96011170	AEL96011168	AEL96011169
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l			6 J	4			
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

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SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
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	Location ID	NK-SB-67	NK-SB-71	NK-SB-72	NK-SB-73	NK-SB-74	NK-SB-79	NK-SB-80
Sample ID	1018643	1018681	1018683	1018642	1018673	1018674	1018675	
Sample Date	10/01/1996	10/01/1996	10/02/1996	10/01/1996	10/03/1996	10/03/1996	10/03/1996	
Sample Time	14:00	16:10	10:15	11:35	12:40	15:00	16:50	
Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	10' - 12'	10' - 12'	10.0' - 12.0'	
Laboratory	AEL							
Lab. Number	AEL96011167	AEL96011171	AEL96011233	AEL96011166	AEL96011234	AEL96011235	AEL96011236	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Date Organics Analyzed	-						10/14/1996	10/14/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.065	0.137	0.067	0.059	0.041	0.025	0.059
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.021	0.026	0.033	0.192	0.018	0.041	0.020
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	NK-SB-67	NK-SB-71	NK-SB-72	NK-SB-73	NK-SB-74	NK-SB-79	NK-SB-80
	Sample ID	1018643	1018681	1018683	1018642	1018673	1018674	1018675
	Sample Date	10/01/1996	10/01/1996	10/02/1996	10/01/1996	10/03/1996	10/03/1996	10/03/1996
	Sample Time	14:00	16:10	10:15	11:35	12:40	15:00	16:50
	Sample Depth	6' - 8'	6' - 8'	6' - 8'	6' - 8'	10' - 12'	10' - 12'	10.0' - 12.0'
	Laboratory	AEL						
	Lab. Number	AEL96011167	AEL96011171	AEL96011233	AEL96011166	AEL96011234	AEL96011235	AEL96011236
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane, 1,1-	µg/L							
Dichloroethylene, 1,1-	µg/L							
Dichloroethylene, 1,2-cis-	µg/L							
Dichloroethylene, 1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L						4.9	110
Toluene	µg/L							
Trichloroethane, 1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

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	Location ID	NK-SB-93	NK-SB-94	SA-MW-01	SA-MW-01	SA-MW-01	SA-MW-02I	SA-MW-02I
Sample ID	1018897	1018898	1018194	1634437	1647326	1018191	1018192	1018192
Sample Date	10/09/1996	10/09/1996	09/12/1996	06/02/1997	11/19/1997	09/12/1996	09/12/1996	09/12/1996
Sample Time	11:15	14:00	13:53	10:40	11:45	13:13	13:15	13:15
Sample Depth	6' - 8'	6' - 8'	13.00' - 18.0	13.0' - 18.0'	13' - 18'	15.00' - 25.0	15.0' - 25.0'	15.0' - 25.0'
Laboratory	AEL	AEL	AEL	QUAN	QUAN	AEL	AEL	AEL
Lab. Number	AEL96011516	AEL96011517	AEL96010287	A7F040101002	A7K250105008	AEL96010284	AEL96010285	
Constituent	Units							
Depth of Well	FT			20.08	20.08		26.50	26.50
Depth to Water	FT			9.52	8.28		10.96	10.96
Specific Conductivity (field)	µmhos			072	70		218	218
Water Elevation	FT			32.60	33.84		26.08	26.08
pH (field)	SU			6.24	5.99		5.88	5.88
Date Metals Analyzed	-			09/16/1996	06/12/1997	12/01/1997	09/16/1996	09/16/1996
Date Organics Analyzed	-	10/15/1996					09/20/1996	09/20/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L			0.014			0.029	0.031
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L				0.0055 U			
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L				0.0440 J	0.0367		
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-	See note						
Total Petroleum Hydrocarbons	mg/L	54.8	12.3				0.5	0.5
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	NK-SB-93	NK-SB-94	SA-MW-01	SA-MW-01	SA-MW-01	SA-MW-02I	SA-MW-02I
	Sample ID	1018897	1018898	1018194	1634437	1647326	1018191	1018192
	Sample Date	10/09/1996	10/09/1996	09/12/1996	06/02/1997	11/19/1997	09/12/1996	09/12/1996
	Sample Time	11:15	14:00	13:53	10:40	11:45	13:13	13:15
	Sample Depth	6' - 8'	6' - 8'	13.00' - 18.0	13.0' - 18.0'	13' - 18'	15.00' - 25.0	15.0' - 25.0'
	Laboratory	AEL	AEL	AEL	QUAN	QUAN	AEL	AEL
	Lab. Number	AEL96011516	AEL96011517	AEL96010287	A7F040101002	A7K250105008	AEL96010284	AEL96010285
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L						1.9	1.7
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/L							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L	1600						

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	Location ID	SA-MW-02I	SA-MW-02I	SA-MW-03	SA-MW-04	SA-MW-04	SA-MW-05I	SA-MW-05I
	Sample ID	1634496	1647324	1634436	1018190	1634497	1018189	1647322
	Sample Date	06/05/1997	11/19/1997	06/02/1997	09/12/1996	06/05/1997	09/12/1996	11/19/1997
	Sample Time	15:00	11:15	10:10	11:32	15:20	11:05	11:00
	Sample Depth	15.0' - 25.0'	15.0' - 25.0'	10.0' - 20.0'	7.50' - 17.50	7.5' - 17.5'	13.50' - 23.5	13.5' - 23.5'
	Laboratory	QUAN	QUAN	QUAN	AEL	QUAN	AEL	QUAN
	Lab. Number	A7F090102004	A7K250105006	A7F040101001	AEL96010283	A7F090102005	AEL96010282	A7K250105004
Constituent	Units							
Depth of Well	FT	26.50		22.02	19.62	19.62	25.00	24.94
Depth to Water	FT	10.75		8.75	11.04	10.41	9.10	8.19
Specific Conductivity (field)	µmhos	200		40	442	160	358	268
Water Elevation	FT	26.29		31.61	27.09	27.72	28.71	29.62
pH (field)	SU	5.86		6.49	5.87	5.90	6.20	4.9
Date Metals Analyzed	-	06/25/1997	12/01/1997	06/12/1997	09/16/1996	06/25/1997	09/16/1996	12/01/1997
Date Organics Analyzed	-							09/20/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L				0.033		0.035	
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L			0.0043 U				
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0553	0.0270	0.0235 J		0.0255		0.0645
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L				0.5			
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SA-MW-05S	SA-SB-145	SA-SB-146	SA-SB-150	SA-SB-161	SA-SB-30	SA-SB-34
	Sample ID	1018188	1638974	1638933	1638934	1638783	1021127	1021129
	Sample Date	09/12/1996	07/14/1997	07/11/1997	07/11/1997	07/21/1997	11/11/1996	11/11/1996
	Sample Time	10:43	14:00	15:30	15:00	12:00	10:40	13:45
	Sample Depth	4.50' - 14.50	4' - 8'	4' - 9'	4' - 9'	8' - 11'	10.5' - 12.5'	10.5' - 12.5'
	Laboratory	AEL	QUAN	QUAN	QUAN	QUAN	AEL	AEL
	Lab. Number	AEL96010281	A7G160201002	A7G140128003	A7G140128004	A7G230102001	AEL96012751	AEL96012754
Constituent	Units							
Depth of Well	FT	16.06						
Depth to Water	FT	9.17						
Specific Conductivity (field)	µmhos	195						
Water Elevation	FT	28.90						
pH (field)	SU	6.26						
Date Metals Analyzed	-						11/13/1996	11/13/1996
Date Organics Analyzed	-	09/18/1996						
Date PCBs Analyzed	-		07/24/1997		07/17/1997			
Date Semi-volatile Organics Analyzed	-					08/05/1997		
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L						0.021	0.027
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L						0.011	
PCB 1248	µg/L		2.5					
PCB 1254	µg/L				6.8			
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L			1.0				
Benzo[a]anthracene	µg/L					1.1 j		
Benzo[a]pyrene	µg/L					1.1 j		
Benzo[b]fluoranthene	µg/L					1.2 j		
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SA-SB-35	SA-SB-50	SA-SB-82	SA-SB-84	SA-SB-87	SA-SB-88	SA-SB-95
	Sample ID	1021128	1023136	1023995	1023994	1023993	1635855	1635857
	Sample Date	11/11/1996	12/09/1996	01/15/1997	01/15/1997	01/15/1997	06/25/1997	06/25/1997
	Sample Time	13:05	14:20	16:30	15:10	15:10	13:45	14:45
	Sample Depth	10.5' - 12.5'	10' - 12'	10.0' - 12.0'	10.0' - 12.0'	10.0' - 12.0'	10.5' - 14'	10.5' - 14'
	Laboratory	AEL	AEL	AEL	AEL	AEL	QUAN	QUAN
	Lab. Number	AEL96012752	AEL96013753	AEL97000699	AEL97000698	AEL97000697	A7F260169001	A7F260169003
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	11/13/1996		01/28/1997		01/28/1997	07/16/1997	07/16/1997
Date Organics Analyzed	-		12/16/1996		01/29/1997			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-					01/29/1997		
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.040				0.077		
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L			0.0004		0.0014		
Nickel	mg/L							
Zinc	mg/L						0.0312	0.0462
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L					11 MDL		
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
 2. Printed on 04/06/98

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	Location ID	SK-MW-01	SK-MW-01	SK-MW-02	SK-MW-02	SK-MW-03	SK-MW-03	SK-MW-04
	Sample ID	1634453	1647368	1018172	1647371	1018173	1647370	1018174
	Sample Date	06/03/1997	11/24/1997	09/11/1996	11/24/1997	09/11/1996	11/24/1997	09/11/1996
	Sample Time	14:05	12:40	10:25	13:55	10:53	13:35	11:30
	Sample Depth	8.0' - 13.0'	8.0' - 13.0'	9.00' - 19.00	9' - 19'	6.00' - 16.00	6.0' - 16.0'	5.60' - 15.60
	Laboratory	QUAN	QUAN	AEL	QUAN	AEL	QUAN	AEL
	Lab. Number	A7F040156006	A7K260145007	AEL96010184	A7K260145010	AEL96010185	A7K260145009	AEL96010186
Constituent	Units							
Depth of Well	FT	15.25	15.3	17.75	19.90	12.43	10.44	16.00
Depth to Water	FT	7.90	10.50	7.87	7.91	8.25	8.14	7.90
Specific Conductivity (field)	µmhos	25	38	060	41	039	35	039
Water Elevation	FT	42.55	39.95	42.31	42.27	41.45	41.56	42.60
pH (field)	SU	8.7	5.5	6.68	6.4	5.78	5.8	5.74
Date Metals Analyzed	-	06/17/1997	12/08/1997	09/16/1996	12/08/1997	09/16/1996	12/08/1997	09/16/1996
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L			0.012		0.016		
Cadmium	mg/L							
Chromium	mg/L		0.0152					
Lead	mg/L	0.0076	0.0089					
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0248	0.0466		0.0222	0.026	0.0209	0.021
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L			0.6				
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

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	Location ID	SK-MW-01	SK-MW-01	SK-MW-02	SK-MW-02	SK-MW-03	SK-MW-03	SK-MW-04
	Sample ID	1634453	1647368	1018172	1647371	1018173	1647370	1018174
	Sample Date	06/03/1997	11/24/1997	09/11/1996	11/24/1997	09/11/1996	11/24/1997	09/11/1996
	Sample Time	14:05	12:40	10:25	13:55	10:53	13:35	11:30
	Sample Depth	8.0' - 13.0'	8.0' - 13.0'	9.00' - 19.00	9' - 19'	6.00' - 16.00	6.0' - 16.0'	5.60' - 15.60
	Laboratory	QUAN	QUAN	AEL	QUAN	AEL	QUAN	AEL
	Lab. Number	A7F040156006	A7K260145007	AEL96010184	A7K260145010	AEL96010185	A7K260145009	AEL96010186
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

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	Location ID	SK-MW-04	SK-MW-05	SK-MW-05	SK-MW-05	SK-MW-06	SK-MW-06	SK-MW-06
Sample ID	1634454	1018181	1634447	1647352	1018184	1634480	1647337	
Sample Date	06/03/1997	09/11/1996	06/02/1997	11/21/1997	09/11/1996	06/04/1997		11/20/1997
Sample Time	14:45	15:12	15:10	11:40	16:32	09:50		10:15
Sample Depth	5.6' - 15.6'	6.0' - 11.0'	6.0' - 11.0'	6.0' - 11.0'	7.00' - 12.00	7.0' - 12.0'		7.0' - 12.0'
Laboratory	QUAN	AEL	QUAN	QUAN	AEL	QUAN		QUAN
Lab. Number	A7F040156007	AEL96010193	A7F040101012	A7K240127002	AEL96010196	A7F050147003		A7K240137030
Constituent	Units							
Depth of Well	FT	16.00	13.12	13.20	15.69	14.04	14.04	14.14
Depth to Water	FT	4.85	8.58	7.10	10.28	8.29	6.65	8.03
Specific Conductivity (field)	µmhos	30	053	50	49	137	100	93
Water Elevation	FT	45.65	38.61	40.09	36.91	40.14	41.78	40.40
pH (field)	SU		5.45	5.28	4.9	5.08	4.67	4.4
Date Metals Analyzed	-	06/17/1997	09/16/1996	06/12/1997	12/01/1997	09/16/1996	06/17/1997	12/07/1997
Date Organics Analyzed	-			09/17/1996	06/13/1997			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L		0.028			0.053		
Cadmium	mg/L							
Chromium	mg/L	0.0129		0.0113			0.0116	
Lead	mg/L	0.0082		0.0097 U			0.0072	
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0349		0.0441 J	0.0224	0.029	0.0950	0.0348
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-MW-04	SK-MW-05	SK-MW-05	SK-MW-05	SK-MW-06	SK-MW-06	SK-MW-06
	Sample ID	1634454	1018181	1634447	1647352	1018184	1634480	1647337
	Sample Date	06/03/1997	09/11/1996	06/02/1997	11/21/1997	09/11/1996	06/04/1997	11/20/1997
	Sample Time	14:45	15:12	15:10	11:40	16:32	09:50	10:15
	Sample Depth	5.6' - 15.6'	6.0' - 11.0'	6.0' - 11.0'	6.0' - 11.0'	7.00' - 12.00	7.0' - 12.0'	7.0' - 12.0'
	Laboratory	QUAN	AEL	QUAN	QUAN	AEL	QUAN	QUAN
	Lab. Number	A7F040156007	AEL96010193	A7F040101012	A7K240127002	AEL96010196	A7F050147003	A7K240137030
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane, 1,1-	µg/L							
Dichloroethylene, 1,1-	µg/L							
Dichloroethylene, 1,2-cis-	µg/L		180					
Dichloroethylene, 1,2-trans-	µg/L		1.2					
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L		2300	4100				
Toluene	µg/L							
Trichloroethane, 1,1,1-	µg/L							
Trichloroethylene	µg/L		86					
Trichloroethylene (mobile)	µg/L							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	SK-MW-07	SK-MW-07	SK-MW-07	SK-MW-08D	SK-MW-08D	SK-MW-08D	SK-MW-08S
	Sample ID	1018182	1634482	1647347	1018490	1634506	1647357	1018196
	Sample Date	09/11/1996	06/04/1997	11/20/1997	09/18/1996	06/06/1997	11/21/1997	09/12/1996
	Sample Time	15:42	10:30	15:10	16:00	:	15:30	16:33
	Sample Depth	8.00' - 13.00	8.0' - 13.0'	8.0' - 13.0'	49.0' - 59.0'	49.0' - 59.0'	49.0' - 59.0'	7.5' - 12.5'
	Laboratory	AEL	QUAN	QUAN	AEL	QUAN	QUAN	AEL
	Lab. Number	AEL96010194	A7F050147005	A7K240137010	AEL96010547	A7F090101008	A7K240127006	AEL96010289
Constituent	Units							
Depth of Well	FT	14.04	14.04	13.82	63.2		55.25	12.69
Depth to Water	FT	9.42	7.58	8.95	13.37		8.32	6.02
Specific Conductivity (field)	µmhos	242	330	196	433		290	121
Water Elevation	FT	41.64	43.48	42.11	31.65		36.70	36.90
pH (field)	SU	6.50	6.03	6.4	8.9		7.6	5.35
Date Metals Analyzed	-	09/16/1996	06/17/1997	12/07/1997	09/20/1996	06/20/1997	12/01/1997	09/16/1996
Date Organics Analyzed	-	09/17/1996	06/16/1997					
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L					0.124	0.0635	
Barium	mg/L	0.032			0.031	.820	.480	0.034
Cadmium	mg/L							
Chromium	mg/L	0.035	0.0231	0.0430		.340	0.627	
Lead	mg/L					0.467	0.204	
Mercury	mg/L					0.00045		
Nickel	mg/L					.220	0.585	
Zinc	mg/L	0.015			0.014	.470	.370	
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							0.8
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
 2. Printed on 04/06/98

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	Location ID	SK-MW-09	SK-MW-10	SK-MW-10	SK-MW-10	SK-MW-11	SK-MW-11	SK-MW-11
	Sample ID	1018051	1018050	1634451	1647366	1018183	1634484	1647345
	Sample Date	09/10/1996	09/10/1996	06/03/1997	11/24/1997	09/11/1996	06/04/1997	11/20/1997
	Sample Time	15:18	14:45	12:15	12:15	16:03	11:10	14:30
	Sample Depth	5.00' - 15.00	5.00' - 15.00	5.0' - 15.0'	5.0' - 15.0'	5.00' - 15.00	5.0' - 15.0'	5.0' - 15.0'
	Laboratory	AEL	AEL	QUAN	QUAN	AEL	QUAN	QUAN
	Lab. Number	AEL96010109	AEL96010108	A7F040156004	A7K260145005	AEL96010195	A7F050147007	A7K240137008
Constituent	Units							
Depth of Well	FT	15.92	16.43	16.43	16.24	16.73	16.73	16.62
Depth to Water	FT	9.58	10.38	9.07	10.00	8.78	5.74	8.62
Specific Conductivity (field)	µmhos	049	044	37	33	041	30	42
Water Elevation	FT	54.09	44.86	46.17	45.24	40.80	43.84	40.96
pH (field)	SU	5.05	5.37		4.8	5.50	4.85	5.1
Date Metals Analyzed	-	09/13/1996	09/13/1996	06/17/1997	12/08/1997	09/16/1996	06/17/1997	12/07/1997
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.042	0.020			0.022		
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L			0.0031			0.0040	
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L		0.017		0.0261		0.130	0.0234
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-MW-12	SK-MW-12	SK-MW-12	SK-MW-12	SK-MW-13	SK-MW-13	SK-MW-14I
	Sample ID	1018185	1634479	1647338	1647339	1018048	1634495	1018180
	Sample Date	09/11/1996	06/04/1997	11/20/1997	11/20/1997	09/10/1996	06/05/1997	09/11/1996
	Sample Time	16:50	09:35	10:43	10:43	11:55	14:30	14:56
	Sample Depth	4.50' - 14.50	4.5' - 14.5'	4.5' - 14.5'	4.5' - 14.5'	2.60' - 12.60	2.6' - 12.6'	10.0' - 15.0'
	Laboratory	AEL	QUAN	QUAN	QUAN	AEL	QUAN	AEL
	Lab. Number	AEL96010197	A7F050147002	A7K240137001	A7K240137002	AEL96010106	A7F090102003	AEL96010192
Constituent	Units							
Depth of Well	FT	14.10	14.10	13.08	13.08	14.00	14.00	16.83
Depth to Water	FT	6.62	5.35	6.29	6.29	6.36	5.60	7.31
Specific Conductivity (field)	µmhos	167	110	156	156	052	30	114
Water Elevation	FT	39.30	40.57	39.63	39.63	36.49	37.25	39.54
pH (field)	SU	5.89	5.51	5.3	5.3	5.64	5.73	5.96
Date Metals Analyzed	-	09/16/1996	06/17/1997	12/07/1997	12/07/1997	09/13/1996	06/25/1997	09/16/1996
Date Organics Analyzed	-	09/18/1996						09/17/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L	0.019				0.016		0.027
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L			0.0076	0.0124			
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.024	0.0364	0.0266	0.0277		0.0352	
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	SK-MW-14I	SK-MW-14I	SK-MW-15I	SK-MW-15I	SK-MW-15I	SK-MW-16	SK-MW-19
Sample ID	1634502	1647342	1018105	1634483	1647346	1018199	1018179	
Sample Date	06/06/1997	11/20/1997	09/12/1996	06/04/1997	11/20/1997	09/12/1996	09/11/1996	
Sample Time	11:15	13:17	15:58	10:48	14:50	17:05	14:26	
Sample Depth	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	4.5' - 9.5'	3.5' - 13.5'	
Laboratory	QUAN	QUAN	AEL	QUAN	QUAN	AEL	AEL	
Lab. Number	A7F090101004	A7K240137005	AEL96010294	A7F050147006	A7K240137009	AEL96010292	AEL96010191	
Constituent	Units							
Depth of Well	FT	16.83	16.80	15.04	15.04	15.00	10.90	17.17
Depth to Water	FT	4.90	7.03	7.59	4.72	7.43	7.15	10.19
Specific Conductivity (field)	µmhos	70	120	214	140	200	100	098
Water Elevation	FT	41.95	39.82	41.76	44.63	41.92	38.13	38.80
pH (field)	SU	5.51	5.7	5.42	5.15	5.3	6.60	5.40
Date Metals Analyzed	-	06/20/1997		09/16/1996		12/07/1997		09/16/1996
Date Organics Analyzed	-	06/19/1997	12/01/1997	09/22/1996	06/17/1997	12/01/1997		09/17/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-	06/19/1997	12/06/1997					
pH (Liquid)	No Un							
Arsenic	mg/L	0.0157						
Barium	mg/L			0.048				0.028
Cadmium	mg/L							0.0168
Chromium	mg/L							0.115
Lead	mg/L	0.0058				0.0035		
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L			0.014		0.0617		0.015
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L						1.0	
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L		14					
Methylnaphthalene,2-	µg/L							

Notes: 1. Only Detects Shown
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	Location ID	SK-MW-14I	SK-MW-14I	SK-MW-15I	SK-MW-15I	SK-MW-16	SK-MW-19
	Sample ID	1634502	1647342	1018105	1634483	1647346	1018199
	Sample Date	06/06/1997	11/20/1997	09/12/1996	06/04/1997	11/20/1997	09/12/1996
	Sample Time	11:15	13:17	15:58	10:48	14:50	17:05
	Sample Depth	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	4.5' - 9.5'
	Laboratory	QUAN	QUAN	AEL	QUAN	QUAN	AEL
	Lab. Number	A7F090101004	A7K240137005	AEL96010294	A7F050147006	A7K240137009	AEL96010292
Constituent	Units						
Naphthalene	µg/L						
Pentachlorophenol	µg/L						
Phenanthrene	µg/L						
Pyridine	µg/L	11					
Acetone	µg/L						
Acetonitrile	µg/L						
Benzene	µg/L						
Carbon Disulfide	µg/L						
Chloroethane	µg/L						
Chloroform	µg/L						
Dichloroethane,1,1-	µg/L						2.1
Dichloroethylene,1,1-	µg/L						
Dichloroethylene,1,2-cis-	µg/L			1000	120	490	58
Dichloroethylene,1,2-trans-	µg/L			3.7			
Ethylbenzene	µg/L						
Tetrachloroethylene	µg/L	15000	40000	4900	400	1100	97
Toluene	µg/L						
Trichloroethane,1,1,1-	µg/L						7.3
Trichloroethylene	µg/L			190			13
Trichloroethylene (mobile)	µg/l						
Vinyl Chloride	µg/L						
Xylenes (Total)	µg/L						

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

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	Location ID	SK-MW-19	SK-MW-19	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-21	SK-MW-21
	Sample ID	1634485	1647341	1018104	1634487	1647353	1018176	1634486
	Sample Date	06/04/1997	11/20/1997	09/12/1996	06/04/1997	11/21/1997	09/11/1996	06/04/1997
	Sample Time	11:35	11:45	15:23	13:15	12:10	13:47	11:55
	Sample Depth	3.5' - 13.5'	3.5' - 13.5'	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	3.5' - 13.5'	3.5' - 13.5'
	Laboratory	QUAN	QUAN	AEL	QUAN	QUAN	AEL	QUAN
	Lab. Number	A7F050147008	A7K240137004	AEL96010293	A7F050147010	A7K240127003	AEL96010188	A7F050147009
Constituent	Units							
Depth of Well	FT	17.17	17.20	17.27	17.27	17.28	15.83	15.20
Depth to Water	FT	9.05	9.86	12.02	11.02	11.88	10.75	9.60
Specific Conductivity (field)	µmhos	60	122	051	30	45	053	30
Water Elevation	FT	39.94	39.13	38.03	39.03	38.17	37.11	38.26
pH (field)	SU	4.74	5.1	5.55	5.12	4.7	6.00	4.76
Date Metals Analyzed	-	06/17/1997	12/07/1997	09/16/1996			09/16/1996	06/17/1997
Date Organics Analyzed	-	06/17/1997	11/30/1997	09/22/1996	06/17/1997	12/04/1997		
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L			0.031			0.024	
Cadmium	mg/L	0.0270	0.0350					
Chromium	mg/L	0.0861	0.0977					
Lead	mg/L	0.0063						
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.0393	0.0217				0.053	0.0286
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-MW-21	SK-MW-22	SK-MW-22	SK-MW-22	SK-MW-23	SK-MW-24	SK-MW-24
Sample ID	1647343	1018175	1634499	1647351	1018195	1018177	1018178	1018178
Sample Date	11/20/1997	09/11/1996	06/06/1997	11/21/1997	09/12/1996	09/11/1996	09/11/1996	09/11/1996
Sample Time	13:45	13:27	10:21	10:56	14:46	14:10	14:15	14:15
Sample Depth	3.5' - 13.5'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3' - 13'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'
Laboratory	QUAN	AEL	QUAN	QUAN	AEL	AEL	AEL	AEL
Lab. Number	A7K240137006	AEL96010187	A7F090101001	A7K240127001	AEL96010288	AEL96010189	AEL96010190	
Constituent	Units							
Depth of Well	FT	13.14	15.22	15.22	16.02	16.25	15.83	15.83
Depth to Water	FT	8.41	10.42	9.37	10.10	9.69	9.12	9.12
Specific Conductivity (field)	µmhos	40	040	30	48	110	137	137
Water Elevation	FT	39.45	37.02	38.07	37.34	36.70	40.03	40.03
pH (field)	SU	5.3	5.73	5.41	5.1	5.47	6.10	6.10
Date Metals Analyzed	-		09/17/1996	06/20/1997	12/01/1997	09/16/1996	09/16/1996	09/16/1996
Date Organics Analyzed	-	12/03/1997					09/17/1996	09/17/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L		0.030			0.030	0.047	0.042
Cadmium	mg/L		0.0043		0.0073			
Chromium	mg/L			0.0116				
Lead	mg/L			0.0086				
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L			0.0590	0.0263		0.035	0.012
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-MW-21	SK-MW-22	SK-MW-22	SK-MW-22	SK-MW-23	SK-MW-24	SK-MW-24
	Sample ID	1647343	1018175	1634499	1647351	1018195	1018177	1018178
	Sample Date	11/20/1997	09/11/1996	06/06/1997	11/21/1997	09/12/1996	09/11/1996	09/11/1996
	Sample Time	13:45	13:27	10:21	10:56	14:46	14:10	14:15
	Sample Depth	3.5' - 13.5'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3' - 13'	3.0' - 13.0'	3.0' - 13.0'
	Laboratory	QUAN	AEL	QUAN	QUAN	AEL	AEL	AEL
	Lab. Number	A7K240137006	AEL96010187	A7F090101001	A7K240127001	AEL96010288	AEL96010189	AEL96010190
Constituent	Units							
Naphthalene	µg/L							
Pentachlorophenol	µg/L							
Phenanthrene	µg/L							
Pyridine	µg/L							
Acetone	µg/L							
Acetonitrile	µg/L							
Benzene	µg/L							
Carbon Disulfide	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene, 1,1-	µg/L							
Dichloroethylene, 1,2-cis-	µg/L					390	400	
Dichloroethylene, 1,2-trans-	µg/L					1.4	1.4	
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L	4000				710	680	
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L					8.8	8.7	
Trichloroethylene	µg/L					580	550	
Trichloroethylene (mobile)	µg/l							
Vinyl Chloride	µg/L					3.2	3.0	
Xylenes (Total)	µg/L							

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	Location ID	SK-MW-24	SK-MW-24	SK-SB-115	SK-SB-119	SK-SB-127	SK-SB-130	SK-SB-133
Sample ID	1634481	1647344	1024983	1026082	1026085	1026201	1630746	
Sample Date	06/04/1997	11/20/1997	01/22/1997	02/05/1997	02/05/1997	02/06/1997	03/26/1997	
Sample Time	10:10	14:12	10:35	11:40	15:20	12:10	13:00	
Sample Depth	3.0' - 13.0'	3.0' - 13.0'	10.0' - 12.0'	7.0' - 9.0'	7.0' - 9.0'	9' - 10'	7.0' - 10.0'	
Laboratory	QUAN	QUAN	AEL	AEL	AEL	AEL	AEL	AEL
Lab. Number	A7F050147004	A7K240137007	AEL97000960	AEL97001542	AEL97001545	AEL97001658	AEL97003650	
Constituent	Units							
Depth of Well	FT	15.83	15.80					
Depth to Water	FT	7.25	8.73				8.5	
Specific Conductivity (field)	µmhos	90	70					
Water Elevation	FT	41.90	40.42					
pH (field)	SU	5.22	5.4					
Date Metals Analyzed	-	06/17/1997					02/13/1997	
Date Organics Analyzed	-	06/16/1997	12/03/1997		02/18/1997	02/18/1997		04/09/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L						0.167	
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L						0.0005	
Nickel	mg/L							
Zinc	mg/L	0.0556						
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L			10.2	4.7			
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-SB-136	SK-SB-137	SK-SB-173	SK-SB-174	SK-SB-175	SK-SB-181	SK-SB-182
Sample ID	1630745	1630740	1632473	1632480	1632481	1632486	1632482	
Sample Date	03/26/1997	03/25/1997	04/29/1997	04/29/1997	04/29/1997	04/30/1997	04/29/1997	
Sample Time	10:50	13:55	10:15	11:10	12:50	09:45	14:00	
Sample Depth	10.0' - 13.0'	10.0' - 13.0'	11' - 14'	11' - 14'	11' - 14'	11' - 14'	11' - 14'	
Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL	
Lab. Number	AEL97003649	AEL97003648	AEL97004834	AEL97004835	AEL97004836	AEL97004841	AEL97004837	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	04/04/1997	04/04/1997	05/13/1997	05/13/1997	05/13/1997		05/13/1997
Date Organics Analyzed	-		04/04/1997	05/12/1997	05/12/1997	05/12/1997	05/13/1997	05/12/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-					05/14/1997		
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.137	0.107	0.191	0.103	0.082		0.086
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L					2.2 U MDL		
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-SB-183	SK-SB-184	SK-SB-191	SK-SB-199	SK-SB-201	SK-SB-206	SK-SB-211
Sample ID	1632483	1632487	1632488	1639020	1639021	1639019	1639730	
Sample Date	04/29/1997	04/30/1997	04/30/1997	07/29/1997	07/29/1997	07/29/1997	08/01/1997	
Sample Time	15:00	10:20	12:45	11:30	13:30	10:40		14:55
Sample Depth	11' - 14'	11' - 14'	11' - 14'	8' - 11'	13' - 16'	8' - 11'		9' - 13'
Laboratory	AEL	AEL	AEL	QUAN	QUAN	QUAN		QUAN
Lab. Number	AEL97004838	AEL97004842	AEL97004843	A7G310166008	A7G310166009	A7G310166007		A7H040121002
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	05/13/1997						
Date Organics Analyzed	-	05/13/1997	05/12/1997	05/12/1997	08/07/1997	08/07/1997	08/07/1997	
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							08/14/1997
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L							
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.088						
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							1.0
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							11
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-SB-213	SK-SB-215	SK-SB-215	SK-SB-218	SK-SB-222	SK-SB-223	SK-SB-228
	Sample ID	1639729	1640260	1640261	1640262	1640264	1641424	1641425
	Sample Date	08/01/1997	08/14/1997	08/14/1997	08/14/1997	08/14/1997	08/26/1997	08/26/1997
	Sample Time	14:25	10:15	10:20	11:10	13:40	11:00	11:45
	Sample Depth	9' - 13'	6.5' - 10.0'	6.5' - 10.0'	8.5' - 12'	4.5' - 8'	8' - 11'	10' - 13'
	Laboratory	QUAN						
	Lab. Number	A7H040121001	A7H150127002	A7H150127003	A7H150127004	A7H150127006	A7H290116002	A7H290116003
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-							09/04/1997
Date Organics Analyzed	-	08/13/1997	08/27/1997	08/28/1997	08/27/1997	08/28/1997		09/08/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-						09/10/1997	
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L							0.0179
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							0.0205
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L					290		
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L							
Cresol,4-	µg/L							13
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-SB-230	SK-SB-232	SK-SB-233	SK-SB-234			
Sample ID	1641426	1641427	1641439	1641440				
Sample Date	08/26/1997	08/26/1997	08/26/1997	08/26/1997				
Sample Time	12:20	13:05	13:45	14:25				
Sample Depth	10' - 13'	10' - 13'	10' - 13'	10' - 13'				
Laboratory	QUAN	QUAN	QUAN	QUAN				
Lab. Number	A7H290116004	A7H290116005	A7H290111002	A7H290111003				
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Specific Conductivity (field)	µmhos							
Water Elevation	FT							
pH (field)	SU							
Date Metals Analyzed	-	09/04/1997	09/04/1997					
Date Organics Analyzed	-	09/08/1997	09/08/1997	09/08/1997	09/08/1997			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-	09/09/1997	09/09/1997					
pH (Liquid)	No Un							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Chromium	mg/L	0.0254	0.0224					
Lead	mg/L							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB 1248	µg/L							
PCB 1254	µg/L							
Hydrocarbon Fingerprint	-							
Total Petroleum Hydrocarbons	mg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Bis(2-ethylhexyl) Phthalate	µg/L	8.8						
Cresol,4-	µg/L							
Methylnaphthalene,2-	µg/L							

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	Location ID	SK-SB-238	SK-SB-253	SK-SB-255	SK-SB-258	SK-SB-266	SK-SB-266	SK-SB-267
	Sample ID	1641442	1642965	1642966	1642967	1642963	1642964	1642961
	Sample Date	08/26/1997	09/15/1997	09/15/1997	09/15/1997	09/15/1997	09/15/1997	09/12/1997
	Sample Time	15:45	11:30	13:10	13:50	10:40	10:40	14:45
	Sample Depth	10' - 13'	9.5' - 13.0'	9.5' - 13.0'	9.5' - 13.0'	9.5' - 13'	9.5' - 13.0'	9.5' - 13.0'
	Laboratory	QUAN						
	Lab. Number	A7H290111005	A7I160163007	A7I160163008	A7I160163009	A7I160163005	A7I160163006	A7I150107003
Constituent	Units							
Date Metals Analyzed	-							09/18/1997
Date Organics Analyzed	-	09/08/1997	09/23/1997	09/23/1997	09/23/1997	09/23/1997	09/23/1997	09/22/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Zinc	mg/L							0.0877
Total Petroleum Hydrocarbons	mg/L							
Bis(2-ethylhexyl)phthalate	µg/L							
Naphthalene	µg/L							
Phenanthrene	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L	24						
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L		850		13	3000	3000	140
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L		290			1100	1100	70
Tetrachloroethylene (mobile)	µg/L							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L	45						
Trichloroethylene	µg/L			83				
Vinyl Chloride	µg/L							27
Xylenes (Total)	µg/L							

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	Location ID	SK-SB-268	SK-SB-61	SK-SB-67	SK-SB-68	SK-SB-69	SK-SB-70	SK-SB-71
	Sample ID	1642960	1017853	1017854	1017852	1017855	1018034	1018035
	Sample Date	09/12/1997	09/04/1996	09/05/1996	09/04/1996	09/06/1996	09/16/1996	09/16/1996
	Sample Time	14:20	15:30	11:50	13:20	11:30	11:00	12:50
	Sample Depth	9.5' - 13'	8.5' - 10.5'	8.5' - 10.5'	8.5' - 10.5'	8.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'
	Laboratory	QUAN	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	A71150107002	AEL96010068	AEL96010069	AEL96010067	AEL96010139	AEL96010394	AEL96010395
Constituent	Units							
Date Metals Analyzed	-	09/18/1997	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/20/1996	09/20/1996
Date Organics Analyzed	-	09/22/1997			09/13/1996		09/24/1996	09/24/1996
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L		0.095	0.042	0.117	0.063	0.015	0.022
Cadmium	mg/L							
Zinc	mg/L	0.0254		0.023	0.259	0.043	0.018	0.011
Total Petroleum Hydrocarbons	mg/L							0.7
Bis(2-ethylhexyl)phthalate	µg/L							
Naphthalene	µg/L							
Phenanthrene	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L	120						
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L	600					3.8	2.6
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L	340			2.3			
Tetrachloroethylene (mobile)	µg/L							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L	510						
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

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	Location ID	SK-SB-72	SK-SB-73	SK-SB-74	SK-SB-75	SK-SB-76	SK-SB-77	SK-SB-78
Sample ID	1018036	1018037	1018038	1018039	1018040	1018042	1018045	
Sample Date	09/16/1996	09/16/1996	09/16/1996	09/16/1996	09/16/1996	09/17/1996	09/17/1996	
Sample Time	14:00	14:40	15:30	16:00	16:40	11:10	15:10	
Sample Depth	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.0' - 10.5'	11.0' - 12.5'	
Laboratory	AEL							
Lab. Number	AEL96010396	AEL96010397	AEL96010398	AEL96010399	AEL96010400	AEL96010490	AEL96010493	
Constituent	Units							
Date Metals Analyzed	-	09/20/1996	09/20/1996	09/20/1996	09/20/1996	09/20/1996	09/20/1996	09/25/1996
Date Organics Analyzed	-	09/26/1996	09/26/1996	09/26/1996	09/26/1996	09/26/1996	09/26/1996	09/26/1996
Date Semi-volatile Organics Analyzed	-				10/09/1996	10/09/1996		
Arsenic	mg/L				0.005	0.008		
Barium	mg/L	0.019	0.025	0.016	0.047	0.024	0.094	0.014
Cadmium	mg/L						0.0019	0.0012
Zinc	mg/L	0.015	0.010	0.011	0.017	0.018	0.017	
Total Petroleum Hydrocarbons	mg/L	0.7			0.9	1.8		
Bis(2-ethylhexyl)phthalate	µg/L							
Naphthalene	µg/L				260	27		
Phenanthrene	µg/L				2.02 MDL			
Chloroethane	µg/L			1.7			3300 J11	
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L	1.3				2600	210	
Dichloroethylene,1,1-	µg/L					31 J11	11	
Dichloroethylene,1,2-cis-	µg/L	11	35	23	4.5	780	6100 J11	
Dichloroethylene,1,2-trans-	µg/L					1.4	21	
Ethylbenzene	µg/L				9.4	12	1.1	
Tetrachloroethylene	µg/L		3.7	8.6		4500 J11	170	9.6
Tetrachloroethylene (mobile)	µg/l							
Toluene	µg/L					31000 J11	12	
Trichloroethane,1,1,1-	µg/L	1.2				52 J11	41	
Trichloroethylene	µg/L	2.2	3.8	1.8		1400	150	
Vinyl Chloride	µg/L		11		3.9	180	250	
Xylenes (Total)	µg/L				32	69 J11	9.4	

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

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Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	SK-SB-79	SK-SB-80	SK-SB-81	SK-SB-93	SK-SB-93	SK-SB-95	SK-SB-97
Sample ID	1018044	1018043	1018046	1020710	1020710	1020711	1020712	
Sample Date	09/17/1996	09/17/1996	09/17/1996	10/25/1996	10/25/1996	10/25/1996	10/25/1996	10/25/1996
Sample Time	14:30	13:40	15:50	10:50	10:50	13:45	14:30	
Sample Depth	11.0' - 12.5'	11.0' - 12.5'	11.0' - 12.5'	5' - 7'	5' - 7'	5.5' - 7.5'	5.5' - 7.5'	
Laboratory	AEL	AEL	AEL	AEL	LEA	LEA	AEL	
Lab. Number	AEL96010492	AEL96010491	AEL96010494	AEL96012256	96-5529-079	96-5530-080	AEL96012258	
Constituent	Units							
Date Metals Analyzed	-	09/20/1996		09/20/1996	11/01/1996			
Date Organics Analyzed	-	09/26/1996	09/26/1996	09/26/1996	11/04/1996	10/29/1996	10/29/1996	11/04/1996
Date Semi-volatile Organics Analyzed	-	10/10/1996						
Arsenic	mg/L							
Barium	mg/L	0.012		0.024	0.026			
Cadmium	mg/L							
Zinc	mg/L	0.013		0.018				
Total Petroleum Hydrocarbons	mg/L							
Bis(2-ethylhexyl)phthalate	µg/L	1.98 MDL						
Naphthalene	µg/L							
Phenanthrene	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L		11					
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L	6.6	21	62	51			8.7
Tetrachloroethylene (mobile)	µg/L					76 E	2 J	
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L			1.4				
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

Table 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER IN 1996 AND 1997
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	SK-SB-97						
	Sample ID	1020712						
	Sample Date	10/25/1996						
	Sample Time	14:30						
	Sample Depth	5.5' - 7.5'						
	Laboratory	LEA						
	Lab. Number	96-5531-081						
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	10/29/1996						
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Barium	mg/L							
Cadmium	mg/L							
Zinc	mg/L							
Total Petroleum Hydrocarbons	mg/L							
Bis(2-ethylhexyl)phthalate	µg/L							
Naphthalene	µg/L							
Phenanthrene	µg/L							
Chloroethane	µg/L							
Chloroform	µg/L							
Dichloroethane,1,1-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Ethylbenzene	µg/L							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l	8						
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethylene	µg/L							
Vinyl Chloride	µg/L							
Xylenes (Total)	µg/L							

Notes: 1. Only Detects Shown
2. Printed on 04/06/98

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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

Page 1 of 9

	Location ID	EQUIPMENT						
	Sample ID	1015988	1018187	1018640	1023142	1024570	1024979	1025841
	Sample Date	07/24/1996	09/12/1996	10/01/1996	12/09/1996	01/15/1997	01/22/1997	01/24/1997
	Sample Time	10:30	10:20	10:30	16:40	13:40	10:15	15:00
	Laboratory	AEL						
	Lab. Number	AEL96008147	AEL96010280	AEL96011165	AEL96013759	AEL97000705	AEL97000956	AEL97001098
Constituent	Units							
Date Metals Analyzed	-	07/26/1996		10/16/1996				
Date Organics Analyzed	-		09/18/1996			01/30/1997	01/30/1997	02/07/1997
Date Semi-volatile Organics Analyzed	-				12/14/1996	01/30/1997		
Barium	mg/L			0.014				
Copper	mg/L							
Lead	mg/L	0.0229						
Zinc	mg/L			0.019				
Bis(2-ethylhexyl)phthalate	µg/L				21 U	1.9 U		
Acetone	µg/L							
Acrolein	µg/L							
Acrylonitrile	µg/L							
Benzene	µg/L							
Bromobenzene	µg/L							
Bromoform	µg/L							
Carbon Disulfide	µg/L							
Carbon Tetrachloride	µg/L							
Chlorobenzene	µg/L							
Chlorodibromomethane	µg/L							
Chloroethane	µg/L							
Chloroethyl Vinyl Ether,2-	µg/L							
Chloroform	µg/L		1.5					
Chlorotoluene,α-	µg/L							
Chlorotoluene,p-	µg/L							
Dibromomethane	µg/L							
Dichlorobenzene,1,2-	µg/L							
Dichlorobenzene,1,3-	µg/L							
Dichlorobenzene,1,4-	µg/L							
Dichlorobromomethane	µg/L							
Dichlorodifluoromethane	µg/L							

Notes: 1. Only Detects Shown
 2. Printed on 04/06/98

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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	EQUIPMENT						
	Sample ID	1015988	1018187	1018640	1023142	1024570	1024979	1025841
	Sample Date	07/24/1996	09/12/1996	10/01/1996	12/09/1996	01/15/1997	01/22/1997	01/24/1997
	Sample Time	10:30	10:20	10:30	16:40	13:40	10:15	15:00
	Laboratory	AEL						
	Lab. Number	AEL96008147	AEL96010280	AEL96011165	AEL96013759	AEL97000705	AEL97000956	AEL97001098
Constituent	Units							
Dichloroethane,1,1-	µg/L							
Dichloroethane,1,2-	µg/L							
Dichloroethylene,1,1-	µg/L							
Dichloroethylene,1,2-cis-	µg/L							
Dichloroethylene,1,2-trans-	µg/L							
Dichloropropane,1,2-	µg/L							
Dichloropropylene,1,3-cis-	µg/L							
Dichloropropylene,1,3-trans-	µg/L							
Ethylbenzene	µg/L							
Hexanone,2-	µg/L							
Methyl Bromide	µg/L							
Methyl Chloride	µg/L							
Methyl Ethyl Ketone	µg/L							43 J11
Methyl-2-pentanone,4-	µg/L							
Methyl-tort-butyl Ether	µg/L		6.8			5.8	2.1	
Methylene Chloride	µg/L							
Styrene	µg/L							
Tetrachloroethane,1,1,1,2-	µg/L							
Tetrachloroethane,1,1,2,2-	µg/L							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l							
Toluene	µg/L							
Trichloroethane,1,1,1-	µg/L							
Trichloroethane,1,1,2-	µg/L							
Trichloroethylene	µg/L							
Trichloromonofluoromethane	µg/L							
Trichloropropane,1,2,3-	µg/L							
Vinyl Acetate	µg/L							
Vinyl Chloride	µg/L							

Notes: 1. Only Detects Shown
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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Notes: 1. Only Detects Shown
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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	EQUIPMENT						
	Sample ID	1025735	1026079	1026200	1026481	1027077	1027130	1632472
	Sample Date	01/29/1997	02/05/1997	02/06/1997	02/21/1997	03/04/1997	03/07/1997	04/29/1997
	Sample Time	:	:	:	:	:	:	09:40
	Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	AEL
	Lab. Number	AEL97001281	AEL97001539	AEL97001657	AEL97002184	97-1766-266	AEL97002760	AEL97004833
Constituent	Units							
Date Metals Analyzed	-			02/13/1997				05/13/1997
Date Organics Analyzed	-	02/12/1997	02/18/1997		02/28/1997	03/05/1997	03/19/1997	05/12/1997
Date Semi-volatile Organics Analyzed	-							
Barium	mg/L							
Copper	mg/L			0.095				
Lead	mg/L			0.0053				
Zinc	mg/L							0.069
Bis(2-ethylhexyl)phthalate	µg/L							
Acetone	µg/L							no resul
Acrolein	µg/L							no resul
Acrylonitrile	µg/L							no resul
Benzene	µg/L							no resul
Bromobenzene	µg/L							no resul
Bromoform	µg/L							no resul
Carbon Disulfide	µg/L							no resul
Carbon Tetrachloride	µg/L							no resul
Chlorobenzene	µg/L							no resul
Chlorodibromomethane	µg/L							no resul
Chloroethane	µg/L							no resul
Chloroethyl Vinyl Ether,2-	µg/L							no resul
Chloroform	µg/L							no resul
Chlorotoluene,o-	µg/L							no resul
Chlorotoluene,p-	µg/L							no resul
Dibromomethane	µg/L							no resul
Dichlorobenzene,1,2-	µg/L							no resul
Dichlorobenzene,1,3-	µg/L							no resul
Dichlorobenzene,1,4-	µg/L							no resul
Dichlorobromomethane	µg/L							no resul
Dichlorodifluoromethane	µg/L							no resul

Notes: 1. Only Detects Shown
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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	EQUIPMENT	EQUIPMENT	EQUIPMENT	EQUIPMENT	EQUIPMENT	EQUIPMENT	EQUIPMENT
Sample ID	1025735	1026079	1026200	1026481	1027077	1027130	1632472	
Sample Date	01/29/1997	02/05/1997	02/06/1997	02/21/1997	03/04/1997	03/07/1997	04/29/1997	
Sample Time	:	:	:	:	:	:	09:40	
Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	AEL	
Lab. Number	AEL97001281	AEL97001539	AEL97001657	AEL97002184	97-1766-266	AEL97002760	AEL97004833	
Constituent	Units							
Dichloroethane,1,1-	µg/L							no resul
Dichloroethane,1,2-	µg/L							no resul
Dichloroethylene,1,1-	µg/L							no resul
Dichloroethylene,1,2-cis-	µg/L							no resul
Dichloroethylene,1,2-trans-	µg/L							no resul
Dichloroproppane,1,2-	µg/L							no resul
Dichloropropylene,1,3-cis-	µg/L							no resul
Dichloropropylene,1,3-trans-	µg/L							no resul
Ethylbenzene	µg/L							no resul
Hexanone,2-	µg/L							no resul
Methyl Bromide	µg/L							no resul
Methyl Chloride	µg/L							no resul
Methyl Ethyl Ketone	µg/L	46 J11	44 J11				33 J11	no resul
Methyl-2-pentanone,4-	µg/L							no resul
Methyl-tert-butyl Ether	µg/L	1.4	2.5		2.2		1.8	no resul
Methylene Chloride	µg/L							no resul
Styrene	µg/L							no resul
Tetrachloroethane,1,1,1,2-	µg/L							no resul
Tetrachloroethane,1,1,2,2-	µg/L							no resul
Tetrachloroethylene	µg/L							no resul
Tetrachloroethylene (mobile)	µg/l					1 J		
Toluene	µg/L							no resul
Trichloroethane,1,1,1-	µg/L							no resul
Trichloroethane,1,1,2-	µg/L							no resul
Trichloroethylene	µg/L							no resul
Trichloromonofluoromethane	µg/L							no resul
Trichloropropane,1,2,3-	µg/L							no resul
Vinyl Acetate	µg/L							no resul
Vinyl Chloride	µg/L							no resul

Notes: 1. Only Detects Shown
 2. Printed on 04/06/98

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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Notes: 1. Only Detects Shown
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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	EQUIPMENT	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	
	Sample ID	1634564	1634567	1634651	1026480	1027076	1632471	
	Sample Date	06/03/1997	06/04/1997	06/12/1997	02/21/1997	03/04/1997	04/29/1997	
	Sample Time	15:40	15:15	13:10	:	:	:	
	Laboratory	QUAN	QUAN	QUAN	AEL	LEA	AEL	
	Lab. Number	A7F050105001	A7F050147016	A7F170105022	AEL97002183	97-1766-265	AEL97004832	
Constituent	Units							
Date Metals Analyzed	-	06/12/1997	06/17/1997					
Date Organics Analyzed	-			06/26/1997	02/28/1997	03/05/1997	05/12/1997	
Date Semi-volatile Organics Analyzed	-							
Barium	mg/L							
Copper	mg/L							
Lead	mg/L	0.0047						
Zinc	mg/L	0.0286	0.0412					
Bis(2-ethylhexyl)phthalate	µg/L							
Acetone	µg/L			20			no resul	
Acrolein	µg/L						no resul	
Acrylonitrile	µg/L						no resul	
Benzene	µg/L						no resul	
Bromobenzene	µg/L						no resul	
Bromoform	µg/L						no resul	
Carbon Disulfide	µg/L						no resul	
Carbon Tetrachloride	µg/L						no resul	
Chlorobenzene	µg/L						no resul	
Chlorodibromomethane	µg/L						no resul	
Chloroethane	µg/L						no resul	
Chloroethyl Vinyl Ether,2-	µg/L						no resul	
Chloroform	µg/L						no resul	
Chlorotoluene,o-	µg/L						no resul	
Chlorotoluene,p-	µg/L						no resul	
Dibromomethane	µg/L						no resul	
Dichlorobenzene,1,2-	µg/L						no resul	
Dichlorobenzene,1,3-	µg/L						no resul	
Dichlorobenzene,1,4-	µg/L						no resul	
Dichlorobromomethane	µg/L						no resul	
Dichlorodifluoromethane	µg/L						no resul	

Notes: 1. Only Detects Shown
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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	EQUIPMENT	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	
Sample ID	1634564	1634567	1634651	1026480	1027076	1632471		
Sample Date	06/03/1997	06/04/1997	06/12/1997	02/21/1997	03/04/1997	04/29/1997		
Sample Time	15:40	15:15	13:10	:	:	:		
Laboratory	QUAN	QUAN	QUAN	AEL	LEA	AEL		
Lab. Number	A7F050105001	A7F050147016	A7F170105022	AEL97002183	97-1766-265	AEL97004832		
Constituent	Units							
Dichloroethane,1,1-	µg/L						no resul	
Dichloroethane,1,2-	µg/L						no resul	
Dichloroethylene,1,1-	µg/L						no resul	
Dichloroethylene,1,2-cis-	µg/L						no resul	
Dichloroethylene,1,2-trans-	µg/L						no resul	
Dichloroproppane,1,2-	µg/L						no resul	
Dichloropropylene,1,3-cis-	µg/L						no resul	
Dichloropropylene,1,3-trans-	µg/L						no resul	
Ethylbenzene	µg/L						no resul	
Hexanone,2-	µg/L						no resul	
Methyl Bromide	µg/L						no resul	
Methyl Chloride	µg/L						no resul	
Methyl Ethyl Ketone	µg/L						no resul	
Methyl-2-pentanone,4-	µg/L						no resul	
Methyl-tert-butyl Ether	µg/L			4.3			no resul	
Methylene Chloride	µg/L						no resul	
Styrene	µg/L						no resul	
Tetrachloroethane,1,1,1,2-	µg/L						no resul	
Tetrachloroethane,1,1,2,2-	µg/L						no resul	
Tetrachloroethylene	µg/L						no resul	
Tetrachloroethylene (mobile)	µg/l				2 J			
Toluene	µg/L						no resul	
Trichloroethane,1,1,1-	µg/L						no resul	
Trichloroethane,1,1,2-	µg/L						no resul	
Trichloroethylene	µg/L						no resul	
Trichloromonofluoromethane	µg/L						no resul	
Trichloropropane,1,2,3-	µg/L						no resul	
Vinyl Acetate	µg/L						no resul	
Vinyl Chloride	µg/L						no resul	

Notes: 1. Only Detects Shown
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Table 4
SUMMARY OF QA/QC SAMPLING AND ANALYSES
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Notes: 1. Only Detects Shown
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Table 5
EXCEEDANCES OF THE SURFACE WATER PROTECTION CRITERIA
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	NA-MW-01	NA-MW-03	NA-MW-03	NA-MW-03	NA-MW-04	NA-MW-04	NA-MW-07
Sample ID	03011111491	03031111491	1634439	1647384	03041111491	03041060992	1634444	
Sample Date	11/15/1991	11/15/1991	06/02/1997	11/20/1997	11/15/1991	06/10/1992	06/02/1997	
Sample Time			11:10	10:22				13:45
Sample Depth	5.3' - 15.3'	4.5' - 14.5'	4.5' - 14.5'	4.5' - 14.5'	10.3' - 20.3'	10.3' - 20.3'	2.3' - 11.3'	
Laboratory	CEIM	CEIM	QUAN	QUAN	CEIM	CEIM	QUAN	
Lab. Number	910637-04	910637-06	A7F040101004	A7K240137026	910637-07	920297-08	A7F040101009	
Constituent	Units							
Depth of Well	FT			14.00	14.2			13.00
Depth to Water	FT			4.23	4.52			8.32
Water Elevation	FT			38.83	38.54			40.02
Date Metals Analyzed	-			06/12/1997	12/07/1997			06/12/1997
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L		0.013					
Copper	mg/l							
Lead	mg/L	0.015	0.089	0.0274 J	0.0271	0.018	.015	
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							0.140 J
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1- (mobile)	µg/l							
Tetrachloroethane,1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

Notes: 1. Only Exceedances Shown
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Table 5
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	Location ID	NA-SB-06	NA-SB-09	NA-SB-29	NA-SB-38	NA-SB-57	NK-MW-03	NK-MW-03
	Sample ID	1020274	1020273	1026487	1026982	1640104	CAS 7030790	31390090556
	Sample Date	10/29/1996	10/29/1996	02/21/1997	02/26/1997	08/05/1997	03/07/1990	09/05/1990
	Sample Time	16:20	15:40	13:00	15:35	14:10	:	10:00
	Sample Depth	6.5' - 8.5'	6.5' - 8.5'	4' - 7'	11' - 14'	7' - 10'	7.0' - 12.0'	7.0' - 12.0'
	Laboratory	AEL	AEL	AEL	AEL	QUAN	NETA	M&E?
	Lab. Number	AEL96012219	AEL96012218	AEL97002190	AEL97002337	A7H060108004	NETA09022	31390090556
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT			4.5				6.62
Water Elevation	FT							44.32
Date Metals Analyzed	-	10/31/1996	10/31/1996	02/26/1997	03/11/1997			
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-					08/25/1997		
Arsenic	mg/L							
Cadmium	mg/L		0.0202					
Copper	mg/l							
Lead	mg/L	0.0135						
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L		0.641	0.196	0.254			
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L					1.2		
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L						1000	718.0
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	NK-MW-03	NK-MW-03	NK-MW-03	NK-MW-03	NK-MW-04	NK-MW-16	NK-MW-17
Sample ID	31391022207	30291052901	01031111391	01031060992	31390112032	1634467	1634475	
Sample Date	02/22/1991	05/29/1991	11/14/1991	06/10/1992	11/20/1990	06/03/1997	06/03/1997	
Sample Time	11:21	09:32			11:05	13:00	14:50	
Sample Depth	7.0' - 12.0'	7.0' - 12.0'	7.0' - 12.0'	7.0' - 12.0'	7.0' - 12.0'	3.5' - 13.5'	4.0' - 9.0'	
Laboratory	M&E?	AEL	M&E?	CEIM	M&E?	QUAN	QUAN	
Lab. Number	28928448	289-28-1348	9100627-03	920297-09	31390112032	A7F040150006	A7F040150014	
Constituent	Units							
Depth of Well	FT					16.06	11.85	
Depth to Water	FT	5.61	7.39		1.66	4.38	7.05	
Water Elevation	FT	45.33	43.55		44.45	47.06	42.52	
Date Metals Analyzed	-					06/16/1997	06/17/1997	
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L						0.0051	
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L						0.0272	
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L					0.125	0.143	
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l					468		
Tetrachloroethylene	µg/L	1100	670	1200	800	468		
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	NK-SB-16	NK-SB-17	NK-SB-19	NK-SB-24	NK-SB-341	NK-SB-342	NK-SB-73
Sample ID	1015671	1015669	1015678	1018201	1638020	1638021	1018642	
Sample Date	07/03/1996	07/03/1996	07/09/1996	09/12/1996	07/16/1997	07/16/1997		10/01/1996
Sample Time	11:50	11:15	14:10	10:15	13:45	14:45		11:35
Sample Depth	5' - 7'	5' - 7'	5' - 7'	9' - 11'	4' - 8'	4' - 8'		6' - 8'
Laboratory	AEL	AEL	AEL	AEL	QUAN	QUAN		AEL
Lab. Number	AEL96007377	AEL96007376	AEL96007499	AEL96010269	A7G210123017	A7G210123018		AEL96011166
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-	07/17/1996	07/17/1996	07/17/1996		08/05/1997	08/05/1997	10/16/1996
Date Organics Analyzed	-				09/18/1996			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L					0.0146	0.0206	
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L					0.0181	0.0657	
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L			2.486				
Zinc	mg/L	0.156	0.299			0.300 L J	.180	0.192
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1-(mobile)	µg/l							
Tetrachloroethane,1,1,2,-	µg/l							
Tetrachloroethylene	µg/L				94			
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	NK-SB-80	SA-MW-01	SA-MW-03	SA-MW-04	SA-MW-05S	SA-SB-145	SA-SB-150
Sample ID	1018675	31391022202	04031111491	04041111491	04051111491	1638974	1638934	
Sample Date	10/03/1996	02/22/1991	11/15/1991	11/15/1991	11/15/1991	07/14/1997	07/11/1997	
Sample Time	16:50	12:28				14:00	15:00	
Sample Depth	10.0' - 12.0'	13.00' - 18.0	10.00' - 20.0	7.50' - 17.50	4.50' - 14.50	4' - 8'	4' - 9'	
Laboratory	AEL	M&E?	CEIM	CEIM	CEIM	QUAN	QUAN	
Lab. Number	AEL96011236	28928442	910637-14	910637-15	910637-17	A7G160201002	A7G140128004	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT		9.43					
Water Elevation	FT		32.69					
Date Metals Analyzed	-							
Date Organics Analyzed	-	10/14/1996						
Date PCBs Analyzed	-					07/24/1997	07/17/1997	
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L		0.013					
Copper	mg/l		0.079					
Lead	mg/L		0.020	0.026	0.015	0.020		
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L					2.50	6.80	
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	110						
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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Table 5
EXCEEDANCES OF THE SURFACE WATER PROTECTION CRITERIA
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	Location ID	SA-SB-161	SA-SB-87	SK-GP-01	SK-GP-01	SK-GP-01	SK-GP-03	SK-GP-03
Sample ID	1638783	1023993	1016805	1016972	1016973	1016810	1016811	
Sample Date	07/21/1997	01/15/1997	04/29/1993	06/01/1993	06/01/1993	04/29/1993		05/01/1993
Sample Time	12:00	15:10						
Sample Depth	8' - 11'	10.0' - 12.0'						
Laboratory	QUAN	AEL	unkM	unkM	unk	unkM	unkM	
Lab. Number	A7G230102001	AEL97000697	unk1016805	unk1016972	0201B060193	unk1016810	unk1016811	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-		01/28/1997					
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-	08/05/1997						
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L		0.0014					
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L	1.1 j						
Benzo[a]pyrene	µg/L	1.1 j						
Benzo[b]fluoranthene	µg/L	1.2 j						
Phenanthrene	µg/L	1.5 j						
Benzene (mobile)	µg/l					2272.7		
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l					337.6		
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L				35000.0			
Tetrachloroethylene (mobile)	µg/l			67500.0	4500.0		46209.0	5700.0
Trichloroethylene	µg/L					3400.0		
Trichloroethylene (mobile)	µg/l						5208.3	

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	Location ID	SK-GP-03	SK-GP-03	SK-GP-05	SK-GP-05	SK-GP-06	SK-GP-06	SK-GP-07
Sample ID	1016974	1016975	1016976	1016977	1016817	1016818	1016820	
Sample Date	06/01/1993	06/01/1993	06/01/1993	06/01/1993	04/29/1993	06/01/1993		05/28/1993
Sample Time								
Sample Depth								
Laboratory	unkM	unk	unkM	unk	unkM	unkM	unkM	unkM
Lab. Number	unk1016974	0203B060193	unk1016976	02052060193	unk1016817	unk1016818	unk1016820	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1-(mobile)	µg/l							
Tetrachloroethane,1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L		14000.0		12000.0			
Tetrachloroethylene (mobile)	µg/l	5700.0		640.0		6947.7	230.0	92.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-GP-11	SK-GP-11	SK-GP-12	SK-GP-12	SK-GP-18	SK-GP-18	SK-GP-18
Sample ID	1016827	1016828	1016829	1016830	1016836	1016978	1016979	1016979
Sample Date	04/29/1993	06/01/1993	04/29/1993	06/01/1993	04/29/1993	06/01/1993	06/01/1993	06/01/1993
Sample Time								
Sample Depth						9.5' - 14.5'		
Laboratory	unkM	unkM	unkM	unkM	unkM	unkM	unkM	unk
Lab. Number	unk1016827	unk1016828	unk1016829	unk1016830	unk1016836	unk1016978	unk1016978	0218B060193
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l					123.1		
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L						3900.0	
Tetrachloroethylene (mobile)	µg/l	1032.6	180.0	646.7	3800.0	191532.3	1100.0	
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l				3250.0			

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	Location ID	SK-GP-18	SK-GP-19	SK-GP-22	SK-GP-24	SK-GP-26	SK-GP-27	SK-GP-27
Sample ID	1016837	1016839	1016844	1016847	1016850	1016852	1016853	1016853
Sample Date	06/01/1993	04/29/1993	04/29/1993	04/29/1993	04/30/1993	04/30/1993	04/30/1993	06/01/1993
Sample Time								
Sample Depth	9.5' - 14.5'							
Laboratory	unkM	unkM	unkM	unkM	unkM	unkM	unkM	unkM
Lab. Number	unk1016837	unk1016839	unk1016844	unk1016847	unk1016850	unk1016852	unk1016853	unk1016853
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1-(mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l	1100.0	129.0	213.2	18656.7	25223.9	341.8	170.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l				2566.8			

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	Location ID	SK-GP-27	SK-GP-28	SK-GP-28	SK-GP-29	SK-GP-30	SK-GP-32	SK-GP-33
Sample ID	1016854	1016855	1016856	1016858	1016860	1016864	1016865	
Sample Date	06/01/1993	04/30/1993	06/01/1993	05/25/1993	05/25/1993	05/25/1993	05/25/1993	
Sample Time								
Sample Depth				11' - 13'	13' - 15'	11.5' - 13.5'	6' - 8'	
Laboratory	unkM	unkM	unkM	unkM	unkM	unkM	unkM	unkM
Lab. Number	unk1016854	unk1016855	unk1016856	unk1016858	unk1016860	unk1016864	unk1016865	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l	300.0	134.3	100.0	290.0	575.0	154.0	623.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-GP-34	SK-GP-34	SK-GP-35	SK-GP-41	SK-GP-41	SK-GP-41	SK-GP-41
Sample ID	1016867	1016868	1016869	1016881	1016882	1016884	1016884	1016982
Sample Date	05/25/1993	05/25/1993	05/26/1993	05/26/1993	05/26/1993	05/26/1993	05/26/1993	06/01/1993
Sample Time					:			
Sample Depth	6' - 8'	12' - 14'	6' - 8'	6' - 8'	6' - 8'	13' - 15'		
Laboratory	unkM	unkM	unkM	unkM	unkM	unkM	unkM	unkM
Lab. Number	unk1016867	unk1016868	unk1016869	unk1016881	unk1016882	unk1016884	unk1016982	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB. Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1-(mobile)	µg/l				400.0	440		400.0
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l	661.0	182.0	277.0	1640.0	240	440.0	1640.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-GP-41	SK-GP-42	SK-GP-42	SK-GP-42	SK-GP-42	SK-GP-42	SK-GP-42
Sample ID	1016983	1016885	1016886	1016984	1016985	1016888	1016889	1016889
Sample Date	06/01/1993	05/26/1993	05/26/1993	05/26/1993	05/26/1993	05/26/1993	05/26/1993	05/26/1993
Sample Time			:					:
Sample Depth		6' - 8'	6' - 8'	6' - 8'	6' - 8'	12' - 14'	12' - 14'	
Laboratory	unk	unkM	unkM	unkM	unk	unkM	unkM	unkM
Lab. Number	0241B052793A	unk1016885	unk1016886	unk1016984	0242B052793A	unk1016888	unk1016889	unk1016889
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l		440.0					440 J
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	5900.0				630.0		
Tetrachloroethylene (mobile)	µg/l		239.0	630	630.0		390.0	240 J
Trichloroethylene	µg/L	24000.0						
Trichloroethylene (mobile)	µg/l							

Notes: 1. Only Exceedances Shown
 2. Printed on 04/06/98

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	Location ID	SK-GP-42	SK-GP-42	SK-GP-46	SK-GP-46	SK-GP-46	SK-GP-46	SK-GP-46
Sample ID	1016986	1016987	1016988	1016989	1016989	1016989	1016989	1016901
Sample Date	05/26/1993	05/26/1993	05/26/1993	05/26/1993	05/27/1993	05/27/1993	05/27/1993	05/27/1993
Sample Time					:	:	:	:
Sample Depth	12' - 14'	12' - 14'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'	6' - 8'
Laboratory	unkM	unk	unkM	unkM	unkM	unkM	unkM	unk
Lab. Number	unk1016986	0242B052793B	unk1016988	1246B052793A	unk1016898	unk1016899	unk1016899	1246B052793
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l		140.0					
Dichloroethylene, 1,1- (mobile)	µg/l	440.0		290.0		288.0		290.0
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L		120.0					50000
Tetrachloroethylene (mobile)	µg/l	240.0			50000.0			
Trichloroethylene	µg/L							4700
Trichloroethylene (mobile)	µg/l				4700.0			

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	Location ID	SK-GP-46	SK-GP-46	SK-GP-46	SK-GP-46	SK-GP-47	SK-GP-47	SK-GP-47
Sample ID	1016903	1016905	1016990	1016991	1016906	1016992	1016908	
Sample Date	05/27/1993	05/27/1993	05/27/1993	05/27/1993	05/27/1993	05/27/1993	05/27/1993	05/27/1993
Sample Time	:	:						
Sample Depth	13' - 15'	13' - 15'	13' - 15'	13' - 15'	6' - 8'	6' - 8'	13' - 15'	
Laboratory	unkM	unk	unkM	unk	unkM	unkM	unkM	unkM
Lab. Number	unk1016903	0246B052793A	unk1016990	0246B052793B	unk1016906	unk1016992	unk1016908	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1- (mobile)	µg/l							
Tetrachloroethane,1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L		1500		1500.0			
Tetrachloroethylene (mobile)	µg/l	1000		1000.0		130.0	130.0	560.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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EXCEEDANCES OF THE SURFACE WATER PROTECTION CRITERIA
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	Location ID	SK-GP-48	SK-GP-48	SK-GP-50	SK-GP-50	SK-GP-50	SK-GP-50	SK-GP-56
Sample ID	1016909	1016910	1016912	1016913	1016994	1016995	1016922	
Sample Date	05/27/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/27/1993	
Sample Time								
Sample Depth	7' - 9'	13' - 15'	7' - 9'	13' - 15'	13' - 15'	13' - 15'	7' - 9'	
Laboratory	unkM	unkM	unkM	unkM	unkM	unk	unkM	
Lab. Number	unk1016909	unk1016910	unk1016912	unk1016913	unk1016994	0250B052893B	unk1016922	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L						260.0	
Tetrachloroethylene (mobile)	µg/l	90.0	130.0	330.0	680.0	680.0		230.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-GP-57	SK-GP-61	SK-GP-61	SK-GP-61	SK-GP-61	SK-GP-62	SK-GP-63
Sample ID	1016999	1017003	1016931	1017004	1017005	1016934	1016935	
Sample Date	05/27/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993
Sample Time								
Sample Depth	7' - 9'	7' - 9'	15' - 17'	15' - 17'	15' - 17'	15' - 17'	7' - 9'	
Laboratory	unk	unk	unkM	unkM	unk	unkM	unkM	
Lab. Number	0257B052793	0261B052893A	unk1016931	unk1017004	0261B052893B	unk1016934	unk1016935	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	180.0	810.0			110.0		
Tetrachloroethylene (mobile)	µg/l			208.0	208.0		590.0	270.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-GP-63	SK-GP-64	SK-GP-65	SK-GP-66	SK-GP-66	SK-GP-68	SK-GP-68
Sample ID	1016936	1016938	1016941	1016942	1016943	1016946	1016947	1016947
Sample Date	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993	05/28/1993
Sample Time								
Sample Depth	11' - 13'	7' - 9'	11' - 13'	7' - 9'	11' - 13'	4' - 6'	12' - 14'	
Laboratory	unkM	unkM	unkM	unkM	unkM	unkM	unkM	unkM
Lab. Number	unk1016936	unk1016938	unk1016941	unk1016942	unk1016943	unk1016946	unk1016947	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1- (mobile)	µg/l							
Tetrachloroethane,1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L							
Tetrachloroethylene (mobile)	µg/l	480.0	113.0	90.0	180.0	205.0	105.0	320.0
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-GP-68	SK-GP-68	SK-MW-05	SK-MW-05	SK-MW-05	SK-MW-05	SK-MW-05
Sample ID	1017006	1017007	31390090554	31390112029	31391022205	30291052903	02051111491	
Sample Date	05/28/1993	05/28/1993	09/05/1990	11/20/1990	02/22/1991	05/29/1991	11/15/1991	
Sample Time			12:08	13:29	11:53	10:00		
Sample Depth	12' - 14'	12' - 14'	6.00' - 11.00	6.00' - 11.00	6.00' - 11.00	6.00' - 11.00	6.0' - 11.0'	
Laboratory	unkM	unk	M&E?	M&E?	M&E?	AEL	CEIM	
Lab. Number	unk1017006	0268B052893	31390090554	31390112029	28928443	289-28-1357	910637-18	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT			8.02	7.49	7.14	7.43	
Water Elevation	FT			39.17	39.70	40.05	39.76	
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L					0.011		
Copper	mg/l							
Lead	mg/L						0.022	
Lead (Total)	mg/l					0.017		
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1-(mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l				3545			
Tetrachloroethylene	µg/L		390.0	3186.0	3545	11000	8300	13000
Tetrachloroethylene (mobile)	µg/l	320.0						
Trichloroethylene	µg/L					2800		
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-MW-05	SK-MW-05	SK-MW-05	SK-MW-05	SK-MW-08D	SK-MW-08D	SK-MW-11
Sample ID	02051060992	1016815	1018181	1634447	1634506	1647357	02111111391	
Sample Date	06/10/1992	06/01/1993	09/11/1996	06/02/1997	06/06/1997	11/21/1997	11/14/1991	
Sample Time	:		15:12	15:10	:	15:30		
Sample Depth	6.0' - 11.0'	6.00' - 11.00	6.0' - 11.0'	6.0' - 11.0'	49.0' - 59.0'	49.0' - 59.0'	\$0.00' - 15.00	
Laboratory	CEIM	unkM	AEL	QUAN	QUAN	QUAN	CEIM	
Lab. Number	920297-23	unk1016815	AEL96010193	A7F040101012	A7F090101008	A7K240127006	910627-09	
Constituent	Units							
Depth of Well	FT			13.12	13.20		55.25	
Depth to Water	FT			8.58	7.10		8.32	
Water Elevation	FT			38.61	40.09		36.70	
Date Metals Analyzed	-					06/20/1997	12/01/1997	
Date Organics Analyzed	-			09/17/1996	06/13/1997			
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L					0.124	0.0635	
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L					0.467	0.204	
Lead (Total)	mg/l							
Mercury	mg/L					0.00045		
Nickel	mg/L							
Zinc	mg/L					.470	.370	
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1- (mobile)	µg/l							
Tetrachloroethane,1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	16000		2300	4100		1200	
Tetrachloroethylene (mobile)	µg/l		640.0					
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-MW-11	SK-MW-14I	SK-MW-14I	SK-MW-14I	SK-MW-14I	SK-MW-14I	SK-MW-14I
Sample ID	1634484	020141052693	1016895	13141052693	1018180	1634502	1647342	
Sample Date	06/04/1997	05/26/1993	05/26/1993	05/26/1993	09/11/1996	06/06/1997	11/20/1997	
Sample Time	11:10	:			14:56	11:15	13:17	
Sample Depth	5.0' - 15.0'	10.0' - 15.0'	10.00' - 15.0	10.00' - 15.0	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	
Laboratory	QUAN	ENS	unkM	ENS	AEL	QUAN	QUAN	
Lab. Number	A7F050147007	0288560006SA	unk1016895	0288560007SA	AEL96010192	A7F090101004	A7K240137005	
Constituent	Units							
Depth of Well	FT	16.73				16.83	16.83	16.80
Depth to Water	FT	5.74				7.31	4.90	7.03
Water Elevation	FT	43.84				39.54	41.95	39.82
Date Metals Analyzed	-	06/17/1997					06/18/1997	
Date Organics Analyzed	-		06/04/1993		06/04/1993	09/17/1996	06/19/1997	12/01/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L						0.0157	
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L	0.130						
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l			366.4				
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	22000			24000	25000 J11	15000	40000
Tetrachloroethylene (mobile)	µg/l			12280.0				
Trichloroethylene	µg/L				3800	3600		
Trichloroethylene (mobile)	µg/l			2706.0				

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	Location ID	SK-MW-15I	SK-MW-15I	SK-MW-15I	SK-MW-15I	SK-MW-19	SK-MW-19	SK-MW-19
Sample ID	02151052693	1018105	1634483	1647346	1018179	1634485	1647341	
Sample Date	05/26/1993	09/12/1996	06/04/1997	11/20/1997	09/11/1996	06/04/1997	11/20/1997	
Sample Time	:	15:58	10:48	14:50	14:26	11:35	11:45	
Sample Depth	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	10.0' - 15.0'	3.5' - 13.5'	3.5' - 13.5'	3.5' - 13.5'	
Laboratory	ENS	AEL	QUAN	QUAN	AEL	QUAN	QUAN	
Lab. Number	0288560008SA	AEL96010294	A7F050147006	A7K240137009	AEL96010191	A7F050147008	A7K240137004	
Constituent	Units							
Depth of Well	FT		15.04	15.04	15.00	17.17	17.17	17.20
Depth to Water	FT		7.59	4.72	7.43	10.19	9.05	9.86
Water Elevation	FT		41.76	44.63	41.92	38.80	39.94	39.13
Date Metals Analyzed	-					09/17/1996	06/17/1997	12/07/1997
Date Organics Analyzed	-	06/04/1993	09/22/1996	06/17/1997	12/01/1997	09/17/1996		11/30/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L					0.0168	0.0270	0.0350
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	7200	4900	400	1100	97		110
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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	Location ID	SK-MW-20	SK-MW-20	SK-MW-20	SK-MW-21	SK-MW-22	SK-MW-24	SK-MW-24
Sample ID	1018104	1634487	1647353	1647343	1647351	1018177	1018178	1018178
Sample Date	09/12/1996	06/04/1997	11/21/1997	11/20/1997	11/21/1997	09/11/1996	09/11/1996	09/11/1996
Sample Time	15:23	13:15	12:10	13:45	10:56	14:10	14:15	14:15
Sample Depth	4.0' - 14.0'	4.0' - 14.0'	4.0' - 14.0'	3.5' - 13.5'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'	3.0' - 13.0'
Laboratory	AEL	QUAN	QUAN	QUAN	QUAN	AEL	AEL	AEL
Lab. Number	AEL96010293	A7F050147010	A7K240127003	A7K240137006	A7K240127001	AEL96010189	AEL96010190	
Constituent	Units							
Depth of Well	FT	17.27	17.27	17.28	13.14	16.02	15.83	15.83
Depth to Water	FT	12.02	11.02	11.88	8.41	10.10	9.12	9.12
Water Elevation	FT	38.03	39.03	38.17	39.45	37.34	40.03	40.03
Date Metals Analyzed	-					12/01/1997		
Date Organics Analyzed	-	09/22/1996	06/17/1997	12/04/1997	12/03/1997		09/17/1996	09/17/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/L							
Cadmium	mg/L					0.0073		
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L							
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L							
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	8000	2500	4700	4000		710	680
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

Notes: 1. Only Exceedances Shown
 2. Printed on 04/06/98

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Table 5
EXCEEDANCES OF THE SURFACE WATER PROTECTION CRITERIA
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	SK-SB-130	SK-SB-136	SK-SB-173	SK-SB-182	SK-SB-184	SK-SB-223	SK-SB-253
Sample ID	1026201	1630745	1632473	1632482	1632487	1641424	1642965	
Sample Date	02/06/1997	03/26/1997	04/29/1997	04/29/1997	04/30/1997	08/26/1997	09/15/1997	
Sample Time	12:10	10:50	10:15	14:00	10:20	11:00	11:30	
Sample Depth	9' - 10'	10.0' - 13.0'	11' - 14'	11' - 14'	11' - 14'	8' - 11'	9.5' - 13.0'	
Laboratory	AEL	AEL	AEL	AEL	AEL	QUAN	QUAN	
Lab. Number	AEL97001658	AEL97003649	AEL97004834	AEL97004837	AEL97004842	A7H290116002	A7I160163007	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT	8.5						
Water Elevation	FT							
Date Metals Analyzed	-	02/13/1997	04/04/1997	05/13/1997				
Date Organics Analyzed	-				05/12/1997	05/12/1997		09/23/1997
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-						09/10/1997	
Arsenic	mg/L							
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L	0.0005						
Nickel	mg/L							
Zinc	mg/L		0.137	0.191				
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L						1.6	
Benzene (mobile)	µg/l							
Dichloroethylene,1,1-	µg/l							
Dichloroethylene,1,1-(mobile)	µg/l							
Tetrachloroethane,1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L				4600 J11	580 J11		290
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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Table 5
EXCEEDANCES OF THE SURFACE WATER PROTECTION CRITERIA
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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	Location ID	SK-SB-266	SK-SB-266	SK-SB-268	SK-SB-68	SK-SB-75	SK-SB-76	SK-SB-77
Sample ID	1642963	1642964	1642960	1017852	1018039	1018040	1018042	
Sample Date	09/15/1997	09/15/1997	09/12/1997	09/04/1996	09/16/1996	09/16/1996	09/17/1996	
Sample Time	10:40	10:40	14:20	13:20	16:00	16:40	11:10	
Sample Depth	9.5' - 13'	9.5' - 13.0'	9.5' - 13'	8.5' - 10.5'	9.5' - 10.5'	9.5' - 10.5'	9.0' - 10.5'	
Laboratory	QUAN	QUAN	QUAN	AEL	AEL	AEL	AEL	
Lab. Number	A7I160163005	A7I160163006	A7I150107002	AEL96010067	AEL96010399	AEL96010400	AEL96010490	
Constituent	Units							
Depth of Well	FT							
Depth to Water	FT							
Water Elevation	FT							
Date Metals Analyzed	-				09/13/1996	09/19/1996	09/19/1996	
Date Organics Analyzed	-	09/23/1997	09/23/1997	09/22/1997			09/26/1996	09/26/1996
Date PCBs Analyzed	-							
Date Semi-volatile Organics Analyzed	-					10/09/1996		
Arsenic	mg/L					0.005	0.008	
Cadmium	mg/L							
Copper	mg/l							
Lead	mg/L							
Lead (Total)	mg/l							
Mercury	mg/L							
Nickel	mg/L							
Zinc	mg/L				0.259			
PCB, Total	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Phenanthrene	µg/L					2.02 MDL		
Benzene (mobile)	µg/l							
Dichloroethylene, 1,1-	µg/l							
Dichloroethylene, 1,1- (mobile)	µg/l							
Tetrachloroethane, 1,1,2,2-	µg/l							
Tetrachloroethylene	µg/L	1100	1100	340			4500 J11	170
Tetrachloroethylene (mobile)	µg/l							
Trichloroethylene	µg/L							
Trichloroethylene (mobile)	µg/l							

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Table 6
EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

Page 1 of 19

Notes: 1. Only Exceedances Shown
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Table 6
EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Table 6
EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Notes: 1. Only Exceedances Shown
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Table 6

EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Table 6

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EXCEEDANCES OF THE RESIDENTIAL VOLATILIZATION CRITERIA FOR GROUNDWATER
Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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Airport and Klondike Areas, Pratt & Whitney, East Hartford, Connecticut

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**SUMMARY SITE INVESTIGATION AND REMEDIATION
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**HISTORICAL GROUNDWATER DATA -VOCS
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**HISTORICAL GROUNDWATER DATA - VOCs NORTHEAST
PORTION LOCATION & CONSTITUENTS DETECTED MAP**

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PORTION LOCATION & CONSTITUENTS DETECTED MAP**

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PORTION LOCATION & CONSTITUENTS DETECTED MAP**

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NORTHWEST PORTION LOCATION & CONSTITUENTS
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